

# Dickinson College Bulletin

1954  
ANNOUNCEMENTS  
1954-1955



CARLISLE - PENNSYLVANIA

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DICKINSON COLLEGE BULLETIN

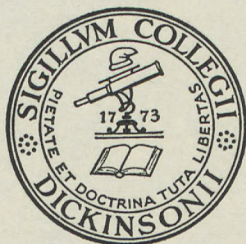
April, 1954

VOL. XLVII—No. 4



# DICKINSON COLLEGE BULLETIN

*One Hundred Eighty-first Edition*  
1773-1954



1954-1955 ANNUAL SESSION

VOLUME XLVII  
No. 4





# College Calendar

1954-1955

- FALL SEMESTER OPENS .....Monday, September 13, 1954
- FRESHMAN ORIENTATION BEGINS .Monday, September 13, 1954 at 9: 30 A. M.
- OPENING CONVOCATION .....Thursday, September 16, 1954 at 2: 00 P. M.
- CLASSES BEGIN .....Friday, September 17, 1954 at 8: 30 A. M.
- MODERN LANGUAGE READING  
EXAMINATION .....Saturday, September 18, 1954 at 1: 30 P. M.
- MATRICULATION SERVICE .....Sunday, September 19, 1954 at 10: 30 A. M.
- THANKSGIVING RECESS .....Wednesday, November 24, 1953 at 12: 30 P. M.  
to Monday, November 29, 1954 at 8: 30 A. M.
- CHRISTMAS RECESS .....Saturday, December 18, 1954 at 12: 30 P. M.  
to Monday, January 3, 1955 at 8: 30 A. M.
- MODERN LANGUAGE READING  
EXAMINATION .....Saturday, January 8, 1955 at 1: 30 P. M.
- FINAL EXAMINATIONS BEGIN ....Monday, January 17, 1955
- FALL SEMESTER ENDS .....Saturday, January 29, 1955
- SPRING SEMESTER OPENS .....Monday, January 31, 1955 at 8: 30 A. M.
- WASHINGTON'S BIRTHDAY  
(COLLEGE HOLIDAY) .....Tuesday, February 22, 1955
- SPRING RECESS .....Saturday, April 2, 1955 at 12: 30 P. M.  
to Tuesday, April 12, 1955 at 8: 30 A. M.
- FOUNDERS' DAY .....Thursday, April 28, 1955
- MODERN LANGUAGE READING  
EXAMINATION .....Saturday, May 14, 1955 at 1: 30 P. M.
- CLASSES END .....Wednesday, May 25, 1955 at 12: 30 P. M.
- FINAL EXAMINATIONS BEGIN ....Thursday, May 26 at noon, 1955
- COMMENCEMENT .....Sunday, June 12, 1955
- FALL SEMESTER BEGINS .....Monday, September 12, 1955



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THE PENNSYLVANIA DEPARTMENT OF PUBLIC INSTRUCTION

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### *Term Expires 1955*

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1951	JOHN C. ARNOLD, LL.D. ....	Clearfield
1917	G. HAROLD BAKER, M.A. ....	Aberdeen, Md.
1943	JAMES T. BUCKLEY, D.ENG. ....	Philadelphia



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- 1925 DEAN HOFFMAN, A.B. .... St. Petersburg, Fla.
- 1915 LLOYD WELLINGTON JOHNSON, PH.B., Sc.D. ... Caldwell, N. J.
- 1934 CHARLES W. KITTO, D.D. .... Philadelphia
- 1951 J. WATSON PEDLOW, B.S., PH.D. .... Chester  
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- 1923 ANDREW H. PHELPS, D.C.S. .... Mt. Lebanon
- 1919 JAMES S. STEESE, A.M., Sc.D. .... Washington, D. C.
- 1952 ROBERT E. WOODSIDE, LL.D. .... Millersburg

*Term Expires 1956*

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- 1905 EDWARD M. BIDDLE, JR., PH.B., LL.D. .... Carlisle
- 1944 FRED P. CORSON, D.D., LL.D., J.U.D. .... Philadelphia
- 1945 WILLIAM L. ESHELMAN, PH.B. .... Mohnton
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*Term Expires 1957*

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- 1952 CARL C. CHAMBERS, Sc.D. .... Media
- 1953 JOEL CLASTER, D.C.S. .... Philadelphia
- 1933 S. M. DRAYER .... Baltimore, Md.



*First Elected*

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 1953 JAMES Q. DUPONT, E.E. ....Wilmington, Del.  
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 1953 WILLIAM F. HUFSTADER, L.H.D. ....Detroit, Mich.  
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*Vice President*

Ph.B., Dickinson College, 1915; A.M., 1917; LL.B., Dickinson School of Law, 1917; LL.D., Western Maryland College, 1948

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*Provost of the College; Richard V. C. Watkins Professor of Education and Psychology*

A.B., Dickinson College, 1920; Ph.D., Yale University, 1932

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*Dean of the College, Professor of English*

A.B., Dickinson College, 1933; A.M., University of Cincinnati, 1935; Ph.D., Yale University, 1940

HERBERT GLENN KENAGY

*Assistant to the President, Adjunct Associate Professor of Economics*

A.B., B.S. in Education, University of Missouri, 1916; A.M., University of Minnesota, 1917

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*Professor Emeritus of Physical Education*

A.B., Dickinson College, 1899; A.M., 1901; Sc.D., 1947



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A.B., Dickinson College, 1907; A.M., 1910; B.D., Drew Theological Seminary, 1910; Ph.D., State University of Iowa, 1922

## JOSEPHINE BRUNYATE MEREDITH

*Professor Emerita of English*

A.B., Dickinson College, 1901; A.M., 1902; D.Lit., 1952

## CHARLES LOWE SWIFT

*Associate Professor Emeritus of English*

A.M., Dickinson College, 1910

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A.B., Harvard College, 1909; A.M., University of Wisconsin, 1911; Ph.D., 1915

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B.S. in Chemistry, University of Pennsylvania, 1914; Ph.D., University of Berne, Switzerland, 1918

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B.S., Northwestern University, 1910; M.S., 1912; Ph.D., University of Pennsylvania, 1929

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B.S., Virginia Polytechnic Institute, 1906; M.A., University of Virginia, 1911; Ph.D., 1913

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A.B., Simpson College, 1921; M.S., University of Iowa, 1922;  
Ph.D., Johns Hopkins University, 1929

## JOHN CRAWFORD MILTON GRIMM

*Professor of Romance Languages; Chairman of the Department of  
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B.A., Ohio State University, 1911; M.A., 1912; Ph.D., University  
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## \*RUSSELL IRVIN THOMPSON

## HORACE ELTON ROGERS

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B.S., Dickinson College, 1924; M.S., Lafayette College, 1925;  
Ph.D., Princeton University, 1950

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B.S., Washington College, 1921; M.S., University of Chicago, 1927;  
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A.B., Wesleyan University, 1919; B.D., Garrett Biblical Institute,  
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B.A., University of Texas, 1927; M.A., American University, 1928;  
M.A., Columbia University, 1929; Ph.D., 1935

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\* See page 9.



## CHARLES DAVID KEPNER

*Professor of Sociology; Chairman of the Department of Sociology*

B.A., Williams College, 1916; A.M., Harvard University, 1917;  
S.T.B., Andover Theological Seminary, 1922; Ph.D., Columbia University, 1936

## MAY MORRIS

*Librarian with Rank of Professor*

Ph.B., Dickinson College, 1909; Graduate, Pratt Institute School of Library Science, 1917

## \*WHITFIELD JENKS BELL, JR.

*Boyd Lee Spahr Professor of American History, Historian of the College*

A.B., Dickinson College, 1935; A.M., University of Pennsylvania, 1938; Ph.D., 1947

## ELMER CHARLES HERBER

*Professor of Biology*

A.B., Ursinus College, 1925; A.M., University of Pennsylvania, 1929; Sc.D., Johns Hopkins University, 1941

## MARY BUCKLEY TAINTOR

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## FRIEDRICH SANDELS

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A.B., Hamilton College, 1932; M.A., Columbia University, 1933;  
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\* Leave of absence 1953-54.



\*FREDERIC WILLIAM NESS

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B.S., Louisiana State University, 1940; Lt. Colonel, Infantry, U. S. Army

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*Visiting Professor of English Bible*

A.B., DePauw University, 1913; S.T.B., Boston University, 1916, Ph.D., 1926; D.D., Cornell College, 1927; LL.D., Northeastern University, 1937, Wabash College, 1938; S.T.D., Northwestern University, 1940; D.Sc. in Education, Boston University, 1944; Litt.D., Rose Polytechnic Institute, 1944

#### ASSOCIATE PROFESSORS

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*Associate Professor of Economics; Chairman of the Department of Economics*

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HAROLD WILDIE WEIGEL

*Associate Professor of German*

A.B., Dickinson College, 1930; M.A., Pennsylvania State College, 1931; Ph.D., 1940

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\* See page 9.

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*Dean of Men with Rank of Associate Professor*

A.B., Wesleyan University, 1926; S.T.B., Union Theological Seminary, 1929; D.D., Wesleyan University, 1943; M.A., Columbia University, 1952

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B.S., United States Naval Academy, 1922; M.A., Dartmouth College, 1946

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\* Leave of absence 1953-54.



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*Associate Professor of Education*

Litt.B., Princeton University, 1910; M.A., 1912; Ph.D., New York University, 1930

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*Registrar with Rank of Assistant Professor*A.B., Taylor University, 1919; M.A., Wittenberg College, 1940;  
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*Assistant Professor of Philosophy and Religion*A.B., Greenville College, 1941; Th.M., University of Southern Cali-  
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*Assistant Professor of Physical Education; Director of the Choir*B.S., West Chester State Teachers College, 1936; M.Sc., University  
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\* See page 9.

\*\* Leave of absence 1953-54.



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*Assistant Professor of Modern Languages*

A.B., Syracuse University, 1931; M.A., University of Tennessee, 1948

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B. DAVID TREASE

*Assistant Professor of Modern Languages*

B.A., San Diego State College, 1941; A.M., University of Michigan, 1947; Ph.D., 1953

JED HARBOTTLE TAYLOR

*Catalogue Librarian with Rank of Assistant Professor*

B.S., Syracuse University, 1924; B.S. in L.S., Columbia University, 1931; M.A., Boston University, 1951

HALLETT B. HAMMATT

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A.B., University of California, 1924; M.A., Harvard University, 1928

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*Assistant Professor of Military Science and Tactics*

B.A., Michigan State College, 1948; Captain, Artillery, U. S. Army

## WILLIAM C. KENNEDY

*Assistant Professor of Military Science and Tactics*

B.S., Niagara University, 1949; Captain, Infantry, U. S. Army

## DONALD WILLIAM FLAHERTY

*Assistant Professor of Political Science*

A.B., Syracuse University, 1943

## INSTRUCTORS

## MARY-MARGARET KELLOGG

*Dean of Women with Rank of Instructor*

B.S., Wilson Teachers College, 1937

## ROBERT ALAN MCGILL

*Instructor in English*

A.B., Dickinson College, 1949; M.A., University of Pennsylvania, 1949

## HAMILTON CHACE DAVIS

*Instructor in History, Assistant Director of Admissions*

A.B., Dickinson College, 1950

## IRVINE NOBLE SMITH

*Instructor in Drama and Speech*

A.B., University of North Carolina, 1948; M.A., 1949

## GOTTFRIED DIETZE

*Instructor in Political Science, Assistant Resident of Conway Hall*

LL.B., Heidelberg University, 1948; Dr. Jur., 1949; A.M., Princeton University, 1951; Ph.D., 1952

## JAMES EDGAR ROPER

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B.A., Southwestern at Memphis, 1948; B.A., Oxford University, 1950; M.A., Yale University, 1952

## JAMES CURREY HINKLE

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B.A., University of Pittsburgh, 1951

LEE ANN BONNE WAGNER

*Instructor in Physical Education, Resident of Drayer Hall*

B.S., Pennsylvania State College, 1948

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*Circulation Librarian with Rank of Instructor*

A.B., Allegheny College, 1951; M.A., Kent State University, 1952

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A.B., Western Maryland College, 1950

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B.A., University of Minnesota, 1947; M.A., University of Wyoming, 1949

FRANK ROBERT SHOAF

*Instructor in Psychology*

A.B., Dickinson College, 1952

#### ASSISTANTS

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*Assistant in Physical Education, Coach of Tennis*

A.B., Yale University, 1927

HENRY CALVIN REMSBERG

*Assistant in Music; Director of the Band*

B.S., Dickinson College, 1938

JAMES CHARLES EURICH

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HARVIE BRANNON JORDAN

*Assistant Instructor, Reserve Officer Training Corps Unit, Master Sergeant, U. S. Army*

STEPHEN ARNOLD KARP

*Assistant in Psychology*

B.A., Brooklyn College, 1949; M.A., New School for Social Research, 1952

\*LUCY HOLT DONEY

*Library Assistant*

B.S., University of Washington, 1922

WILLIAM FRASER BAYNES

*Assistant Instructor, Reserve Officer Training Corps Unit, Sergeant First Class, U. S. Army*

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\* Leave of absence 1953-54.



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GERALD M. STEVENSON, JR., M.A. ....	<i>Reference Librarian</i>
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H. CHACE DAVIS, A.B. ....	<i>Assistant Director of Admissions</i>
ALURED C. RANSOM, M.ED. ....	<i>Director of Athletics</i>

LINDY L. LAURO, B.A. ....	<i>Head Resident, Conway Hall</i>
DONALD T. GRAFFAM, Ed.D. ....	<i>Head Resident, East College</i>
GOTTFRIED DIETZE, Ph.D. ....	<i>Resident, Conway Hall</i>
CHARLES H. BUSH, A.B. ....	<i>Resident, East College</i>
LEE ANN B. WAGNER, B.S. ....	<i>Resident, Drayer Hall</i>
PAULINE ROBINSON LAY ....	<i>The Secretary to the President</i>
JEANNE L. HOCKLEY ....	<i>Secretary to the Vice President</i>
CAROLYN J. MARTIN, A.B. ....	<i>Secretary to the Treasurer</i>
MAE E. THORNTON ....	<i>Secretary to the Dean</i>
DONNA M. ADLER ....	<i>Secretary to the Assistant to the President</i>
SARAH CATHERINE BELL, A.B. ..	<i>Secretary to the Director of Admissions</i>
ADA S. PERRY ....	<i>Secretary to the Dean of Men</i>
MARIE E. CRUSEY ....	<i>Secretary to the Dean of Women,</i> <i>Secretary to the Director of Athletics</i>
HELEN E. FRANCKLE ....	<i>Switchboard Operator</i>
KATHLEEN D. BANKERT ....	<i>Mail Room Supervisor</i>
DORIS J. SHEAFFER ....	<i>Secretary to the Registrar</i>
WILDA J. HANDSHAW ....	<i>Secretary to the Registrar</i>
LOIS A. BUTTORFF ....	<i>Assistant to the Treasurer</i>
RUTH SHATTO ....	<i>Secretary to the Librarian</i>
SHIRLEY W. SHOAF ....	<i>Library Assistant</i>
DOROTHY R. WEIGEL ....	<i>Library Assistant</i>
MARY L. TODD ....	<i>Chief Clerk of the Bookstore</i>
EMMA L. GRUBB ....	<i>House Director, Metzger Hall</i>
EMMA G. LUKENS ....	<i>House Director, Gibbs House</i>
ELSIE R. HAGERLING ....	<i>House Director, Drayer Hall</i>
MABEL L. FITE ....	<i>House Director, Biddle House</i>
JESSIE SCOTT ....	<i>House Director, McIntire House</i>



CHARLOTTE H. PRETTYMAN .....	<i>Assistant to House Directors</i>
MAE INMAN .....	<i>Assistant to House Directors</i>
E. MAE MORRIS .....	<i>Assistant to House Directors</i>
JOSEPH E. GREEN, JR., M.D. ....	<i>College Physician for Men</i>
EDWARD S. KRONENBERG, JR., M.D. ....	<i>College Physician for Women</i>
ONETA M. FINK, R.N. ....	<i>Director of the Health Center</i>

## DICKINSON COLLEGE

## COMMITTEES OF THE FACULTY

FOR 1954 - 1955

## POLICY COMMITTEE

President Edel, *Chairman*; Dean Ness; Professors Wing, Tayler, Kuebler, Flower, Gleim, B. Davis, Flaherty, and Miss Wagner.

## CURRICULUM

1954—Professors Kuebler and W. T. James

1955—Professor Vuilleumier, *Chairman*, and Professor Rogers

1956—Professors Sloane and Finck

## HONORS COURSES

1954—Professor Kuebler, *Chairman*, and Professor Prinz

1955—Professors Sandels and Maurino

1956—Professors Herber and B. Davis

## ACADEMIC STANDARDS

Professor Taintor, *Chairman*; Dean Ness, Professors Weigel, B. Davis, and Gates.

## RELIGIOUS AFFAIRS

1954—Professor Gould and Mr. Norris

1955—Professor Gates and Mr. McGill

1956—Professor Wildman, *Chairman*, and Professor J. Taylor

## CULTURAL AFFAIRS

1954—Professor Wing, *Chairman*, and Professor Sandels

1955—Professors Kepner and Stevenson

1956—Professor Bowden and Mr. I. Smith

## SOCIAL AFFAIRS

1954—Professors Rachal, Ransom, Steckbeck and Ramos

1955—Professors Finck and Gleim and Miss Wagner

1956—Professor Grimm, Dean B. James, Professor Pflaum, *Chairman*

The Dean of the College, the Deans of Men and Women



## PUBLIC EVENTS

- 1954—Professor Wanner, Dr. Dietze, Mr. Lauro and Mr. Bush  
1955—Professor McCullough, Mr. McGill, Mr. I. Smith and Mr. Hinkle  
1956—Professors Herber, Fink, Kenagy and Trease  
The Marshal of the College, *Ex Officio, Chairman*, The Assistant Marshals and the Mace Bearer

## LIBRARY

- 1954—Professors Kellogg and Bloodgood  
1955—Professor Ayres, *Chairman*, and Professor Kepner  
1956—Professors Wing and Schecter

## EXCHANGE STUDENTS

- 1954—Professors Smith and Prinz  
1955—Professor Flower, *Chairman*, and Professor Flaherty  
1956—Professors Kellogg and Kirk

## ATTENDANCE

- 1954—Dean Warlow, *Chairman*, and Professor Stevenson  
1955—Professors Taintor and Rachal  
1956—Professor Ayres and Mr. Roper

## SCHOLARSHIP GRANTS AND LOANS

- Dean Ness, *Chairman*; Dr. Malcolm, Dean B. D. James, Professor Flower, Dean Warlow, Professor Climenhaga, and Mr. Shuman.

## ADMISSION COMMITTEE

- 1954—Professor Bowden                      1955—Professor Sloane  
1956—Professor Gleim

- The Director of Admission, *Chairman*; the Assistant Director of Admission, the Registrar and the Dean of Men.

## DICKINSON COLLEGE

## SPECIAL STAFF

FEBRUARY 1, 1953 — FEBRUARY 1, 1954

## SPEAKERS

- HAROLD A. BOSLEY, PH.D., *Clergyman*  
Religion-in-Life-Week, February 9-12
- NASROLLAH S. FATEMI, PH.D., *Diplomat* . . . Chapel Address, February 19
- JAMES M. TUNNELL, JR., ESQ., *Justice of the Supreme Court of Delaware* . . . . . Spahr Lecture, February 20
- ELIZABETH BOWEN, *Writer* . . . . . Chapel Address, February 24
- WILLIAM FULLBRIGHT, ESQ., *U. S. Senator from Alabama*  
Evening Address, February 24
- EVERETT R. CLINCHY, PH.D., *Clergyman*  
National Conference of Christians and Jews, February 26
- JOSHUA L. GOLDBERG, D.D., *Rabbi*  
National Conference of Christians and Jews, February 26
- J. WESLEY LORD, LL.D., *Bishop of the Methodist Church*  
Chapel Service, March 3
- WILLIAM SAMUEL CARLSON, LL.D., *President of the University of New York* . . . . . Phi Beta Kappa Address, March 3
- GEORGE A. BUTTRICK, LITT.D., *Clergyman* . . . . Chapel Service, March 5
- WILLIAM D. GOULD, PH.D., *Ketterer Professor of Philosophy and Religion* . . . . . Special Convocation, March 10
- PAUL R. BURKHOLDER, SC.D., *Eaton Professor of Botany, Yale University* . . . . . Priestley Day Address, March 10
- FLORENCE E. ALLEN, LL.D., *Judge of the U. S. Circuit Court*  
Women's Day Address, March 17
- KENER E. BOND, *Rear Admiral, U.S.N.R., Ret.*  
Chapel Address, March 24
- HAROLD C. CASE, L.H.D., *President, Boston University*  
Chapel Service, April 7
- JULE AYERS, B.D., *Clergyman* . . . . . Chapel Service, April 9



- DONALD M. DOZER, PH.D., *Government Official*  
Omicron Delta Kappa Address, April 22
- JAMES Q. DUPONT, *Industrialist* .....Chapel Address, April 21-23
- JOHN SCOTT, *Journalist* .....Chapel Address, April 16
- JOHN A. MONROE, PH.D., *Professor of History*,  
*University of Delaware* .....Spahr Lecture, April 24
- WILLIAM SLOANE, PH.D., *Martha Porter Sellers Professor of English*  
Special Convocation, April 28
- IRWIN EDMAN, LL.D., *Johnsonian Professor of Philosophy*,  
*Columbia University* .....Evening Address, April 28
- A. CHARLES BAUGHER, PH.D., *President, Elizabethtown College*  
Chapel Service, May 5
- HARRY EMERSON FOSDICK, LITT.D., *Clergyman* ..Chapel Service, May 7
- WALTER C. LANGSAM, *President, Gettysburg College*  
Omicron Delta Kappa Address, May 13
- CLYDE E. WILDMAN, LL.D., *Professor of English Bible*  
Baccalaureate Address, June 7
- DOUGLAS MCKAY, LL.D., *U. S. Secretary of Interior*  
Commencement Address, June 7
- DANIEL L. MARSH, LL.D., *Chancellor, Boston University*  
Chapel Service, October 6
- BERNARD C. CLAUSEN, D.D., *Clergyman* ....Chapel Service, October 8
- HAROLD WHITEHEAD, *English Industrialist* . Chapel Address, October 13
- CYRIL CLEMENS, *Editor and Biographer of Mark Twain*  
Chapel Address, October 20
- EARL BUNTING, *Industrialist* .....Chapel Address, October 22
- JAMES H. ROBINSON, L.H.D., *Clergyman and Civic Leader*  
Chapel Service, November 3
- LUTHER D. MILLER, D.D., *Canon Precentor, Washington Cathedral*  
Chapel Service, November 5
- CHARLES LAUGHTON, *Actor* .....Readings, November 6
- E. MERRILL ROOT, PH.D., *Writer* .....Chapel Address, November 10

FREDERICK T. WILSON, PH.D., *Historian and Lecturer*

Buchanan Day Observance, November 12

PAUL A. W. WALLACE, PH.D., *Historian and Editor*

Chapel Address, November 17

JAMES T. FLEXNER, B.S., *Author* .....Chapel Address, November 19

CHARLES C. NOBLE, D.D., *Clergyman* .....Chapel Service, December 1

GEORGE A. BUTTRICK, LITT.D., *Clergyman*..Chapel Service, December 3

WILLIAM L. TAYLER, PH.D., *Weaver Professor of Political Science*

Special Convocation, December 8

BEN C. LIMB, *Korean Diplomat* .....Chapel Address, December 15

W. EMORY HARTMAN, PH.D., *Clergyman* ....Chapel Service, January 5

HARRY EMERSON FOSDICK, LITT.D., *Clergyman*.Chapel Service, January 7



## CONCERT SERIES

COLLEGE GLEE CLUB .....	Spring Concert, March 11
COLLEGE CHOIR .....	Concert, March 25
LITTLE SYMPHONY ORCHESTRA .....	Concert, March 28
HAMPTON INSTITUTE CHOIR .....	Concert, April 8
COLLEGE BAND .....	Concert, April 14
JUILLIARD STRING QUARTET .....	Concert, April 30
YEHUDI MENUHIN, <i>Violinist</i> .....	Concert, October 21
COLLEGE GLEE CLUB .....	Fall Concert, November 18
COLLEGE CHOIR .....	Christmas Concert, December 16
GERSHWIN CONCERT ORCHESTRA .....	Concert, January 12

# Dickinson College

1773-1954

## THE COLLEGE PURPOSE

THE purpose of Dickinson College is to help the student develop his resources of mind and character, know the world in which he lives, and achieve a sense of Christian values, the better to make a good life, a good home, and a good community.

To accomplish this aim, the College affords every student training toward mastery of written and spoken English, insight into the processes and personalities of history, basic comprehension of the continuing problems of our age, understanding of himself as a free individual and his responsibilities to his fellows, acquaintance with the methods of science and the composition of the physical universe, development of ethical and spiritual standards in every activity of his life, appreciation and enjoyment of the arts, and achievement of emotional stability and physical well-being. At the same time, recognizing the need for specialized training within its general purpose, the College organizes its curriculum to afford basic preparation for graduate study.

Knowing that its purpose will be realized only when these objectives are translated into creative action, the College undertakes to excite its students to this design.

## HISTORICAL TRADITIONS

On March 3, 1773, Thomas and John Penn, Proprietors of Pennsylvania, conveyed to nine trustees a plot of ground in Carlisle "for the purpose of keeping and maintaining a Grammar School." This school for instruction in classical languages came under the principalship of James Ross, a distinguished author of Latin and Greek grammars. The Grammar School continued in operation until it was absorbed by the College, which was incorporated by the Legislature of Pennsylvania on September 9, 1783. Seven of the nine Grammar School trustees became Trustees of the College.

The prime mover in the effort to obtain a college charter was the distinguished Dr. Benjamin Rush of Philadelphia, a signer of the Declaration of Independence and one of the country's leading physicians. He



had the College named for his friend, John Dickinson, Esq., "in memory of the great and important services rendered to his country." Dickinson was the author of the famous "Letters from a Farmer in Pennsylvania to the Inhabitants of the British Colonies," one of the most potent documents in arousing patriotism in the Colonies. He was also a general in the Revolutionary War, principal draftsman of the Articles of Confederation, President of the Supreme Executive Council of the State, and later a signer of the Constitution of the United States. When the charter was granted, Dickinson was elected president of the Board of Trustees, an office he held until his death.

Dr. Charles Nisbet of Montrose, Scotland, a Scotch Presbyterian and one of the great scholars of his time, was the first President. From the beginning the new College prospered under the aggressive intellectual leadership of Dr. Nisbet. Twenty years from its inception the College had outgrown the confines of the Grammar School building. The site also was unsatisfactory and various efforts were made to obtain a better one, including that of the Carlisle Barracks which had been established by the British in 1751. The present main campus of the College, now named the John Dickinson Campus, was purchased from the Penn family in 1799 for \$151.50, and the construction of a large brick building was begun. This building was destroyed by fire in 1803 and in its place was erected the present West College, designed by Benjamin Latrobe, the architect of the Capitol at Washington. When the trustees appealed for subscriptions for the new building, the appeal met with wide response, President Thomas Jefferson, many members of his cabinet, and Chief Justice John Marshall being among the contributors. It was constructed of native limestone and is regarded as one of the outstanding examples of Classical architecture in America.

The plant of the College, consisting of twenty buildings, is constructed chiefly of limestone, in Classical design. The John Dickinson Campus, on which six of the College buildings are located, is framed by a low limestone wall, most of which was erected in 1833. This adds to the distinctive charm of the landscape. The other buildings are grouped around this campus and on the Benjamin Rush Campus, a twelve-acre tract diagonally across from the older campus. The old Moore mansion was renovated and built into the Baird Biological Building, named after Spencer Fullerton Baird of the Class of 1840, professor of the College and afterwards Chief of the Smithsonian Institution. The grounds, buildings, and equipment of the College are conservatively appraised at approximately \$4,750,000, and its invested endowment and other capital funds are approximately \$2,750,000.



The College is pervaded with memories that revert to the distant past. On the corner where Denny Hall now stands, Washington reviewed the troops, who in 1794 set out to quell the Whiskey Rebellion. The two literary societies, Belles Lettres and Union Philosophical, each over a century and a half old, count among their members former students including a President of the United States and Supreme Court Justices. Of these, James Buchanan, Class of 1809, as President of the United States, 1857-61, and Roger Brooke Taney, Class of 1795, as Chief Justice of the Supreme Court of the United States, 1836-64, headed their respective branches of government in the period of crisis preceding the Civil War. During the Civil War the Confederates occupied Carlisle and camped in front of Old West, the northern-most point reached by Confederate troops during the war. Among the Confederate troops were former Dickinson students at whose request Old West was put under protective guard. Two days later in the shelling of Carlisle, East College and old South College were damaged by shell fire. Following the Battle of Gettysburg, College buildings were used as hospitals for wounded men from that battlefield.

Dickinson's Chapter of Phi Beta Kappa was the first chartered in Pennsylvania.

The College is widely recognized for its preparation for graduate work in the professions, and about fifty per cent of its graduates continue their education in graduate schools.

### THE LIBERAL ARTS TRADITION

When the Charter of Dickinson College was adopted on September 9, 1783, the "Representatives of the Freemen of the Commonwealth of Pennsylvania in General Assembly met" stated that the purpose of the erection and establishment of Dickinson College was "for the education of youth in the learned and foreign languages, the useful arts, sciences and literature," and declared that nations have acquired their preeminence largely by the success with which they were able to instill into the minds of the rising generation "virtuous principle and liberal knowledge."

Dickinson College bases its educational goals upon these ideals. The intervening one hundred and seventy-one years, with their enriching knowledge of science and the arts and the demonstrated need for a spiritual background, have extended the college vision. While placing proper value upon the formal studies it offers, Dickinson desires equally to develop each student into a well-rounded personality. A carefully selected faculty, a Christian philosophy, and broad social and cultural interests are coordinated to achieve these ends. Formal and informal training on



the Dickinson Campus are thus directed toward creating men and women graduates of sound intellectual attainment, with integrity of character, a mature religious understanding, and a sense of social responsibility. Only when these ends are attained can Dickinson College be satisfied that its traditions in the field of education and in the service of the nation are truly realized. These, then, are the goals which this institution cherishes for its ideal as a long established liberal arts college.

### THE COLLEGE MACE

Through the generosity of a Trustee the College has recently been presented with The Great Mace of Dickinson College, to be used on formal occasions as a symbol of the corporate authority of the College. The Mace is handsomely carved of cherry wood, forty-two inches tall. The head of the Mace bears the profile portraits of John Dickinson, Benjamin Rush and Charles Nisbet, the first President of the College, together with the College seal and many historic symbols. Surmounting the head of the Mace is a bronze mermaid designed after the weathervane over West College. The staff of the Mace is ornamented by two bosses and a finial acorn, all of which are made from wood of the black locust tree under which George Washington stood when he reviewed his troops in 1794. The bosses are embellished with other College symbols and the acorn bears the name of the sculptor who carved the Mace and the name of the donor. In a spiral around the staff of the Mace appear the names and dates of all the Presidents of the College since 1773, beginning with Henry McKinley, of the Classical Grammar School to which the College traces its foundation.

### THE JOSEPH PRIESTLEY CELEBRATION

Each year in the Spring, a special commemoration is held known as the Joseph Priestley Celebration, at which time the Dickinson College Award in memory of Joseph Priestley, the discoverer of oxygen, is given to a distinguished scientist for his discoveries or contributions to the welfare of mankind. The award is in the form of the Priestley Medallion, a ceramic medallion struck from the original moulds made in 1775 by the first Josiah Wedgwood after a pen sketch of Priestley drawn from life by John Flaxman in the same year. Since its establishment in 1952 the Award has been presented to the following persons:

1952—Hugh Stott Taylor, Dean of the Graduate School of Princeton University.

1953—Paul W. Burkholder, Osborne Professor of Botany at Yale University, the discoverer of Chloromycetin.



## College Library

THE College Library, located in Bosler Hall, consists of the main reading room and stacks, a reference room, reserved book room, library offices, the Alexander A. Sharp recreational reading room, the Boyd Lee Spahr room for the Dickinsoniana Collection and rare books, the American History Seminar Room, the Art Seminar Room, and the English Research Room. The Library has been designated as a government depository for official publications.

The Boyd Lee Spahr Room contains a constantly growing collection of manuscript and printed source material on the history of the College, and on state and national history, catalogued and used for research by faculty and advanced students. Its holdings number more than 10,000 manuscripts and about 4000 books and pamphlets, including some 1500 volumes given by John Dickinson in 1783. Dickinson, Rush, Nisbet and other founders are represented in the manuscript collection, as are the great figures of later days, particularly President James Buchanan, Chief Justice Roger Brooke Taney and Andrew G. Curtin, Civil War governor of Pennsylvania. Among the many relics on display here is the Joseph Priestley burning glass, shown in conjunction with other equipment once used by the discoverer of oxygen.

The newly-opened American History Seminar Room has been equipped for study and class-room use with a reference and research collection of about 1400 volumes.

The Art Seminar Room contains an Art Library of approximately 1700 volumes. This room also houses nearly 2500 prints and photographs of architectural masterpieces and sculpture, and reproductions of paintings. Adjacent to the Art Seminar Room is a small gallery where special art exhibits are hung.

The English Research Room, equipped by the Class of 1900, is a special study room for English majors. It houses a book collection known as the Paul H. Doney Memorial.

Students have free access to the library collection, consisting of over 100,000 volumes. Over 400 periodicals are received regularly. The books are classified by the Dewey decimal system, and listed in a dictionary catalogue. Library of Congress cards are used. No limit is placed on the number of books a student may borrow.



The library is reinforced by rapidly growing microfilm and microcard collections, with the latest reading equipment and a special room provided for their use. There is also a collection of recordings of music, historic addresses, and other material available in this form.

The Dickinson Library Guild, composed of alumni and friends of Dickinson College, was organized in 1903 for the purpose of creating a permanent endowment for the College Library. In addition to the appropriation for the purchase of books and periodicals, the Library now receives an annual income of over \$4000.00 from the Guild. In accordance with the action of the Board of Trustees of the College, all moneys contributed become a part of the permanent endowment fund of the Library, the proceeds of which are devoted to the sole purpose of purchasing books.

In cooperation with the English Department, Freshmen are given an hour's lecture in the use of library materials needed for their English research paper. Upper classmen are frequently brought to the Library for special instruction in subject bibliography.

A Library Handbook has been prepared to aid students in using the Library. This is obtainable in the Library and is especially recommended to entering students. It contains a plan of the building, a short history of the Library with a description of the book collection, and information on services available to students.

The Library is open from 8:20 A.M. to 5:45 P.M., and 6:45 to 10:00 P.M., except on Saturday, when it is open from 8:20 A.M. to 5:00 P.M., and on Sunday, when the hours are 2:00 to 5:00 P.M., and 7:00 to 10:00 P.M.

# Buildings and Equipment

## ACADEMIC BUILDINGS

WEST COLLEGE (1803) of the Classical style of architecture, built of native limestone, is a four-story building containing administrative offices, class and assembly rooms, the Presidential portrait gallery, and the spacious Memorial Hall. On the lower floor are the McCauley room, the Durbin Oratory, an assembly room, the public relations office, and secretarial rooms. The administrative offices are on the main floor. The two upper floors are given over to classrooms, Business Office, Director of Admissions' Office, and Registrar's Office.

JACOB TOME SCIENTIFIC BUILDING (1884), a gift of the late Hon. Jacob Tome, of Port Deposit, Md., is of native limestone, trimmed with Ohio sandstone. It contains complete provision for the college departments of physics and chemistry. It is also the repository for a valuable collection of mineralogical and geological specimens, used in geology courses.

JAMES W. BOSLER LIBRARY, originally erected in 1885 in honor of James W. Bosler, Class of 1854, was rebuilt and enlarged in 1940-41 in native limestone of Classical architecture, accommodating the library with numerous reading and reference rooms and the Chapel.

PSYCHOLOGY BUILDING (1899), of limestone, houses the classrooms and laboratories of that department.

DENNY HALL (1905) contains recitation rooms, student publication offices, faculty offices, R.O.T.C. offices, and halls of the two historic literary societies which date back more than a hundred and fifty years.

BAIRD BIOLOGICAL BUILDING (1937) is located on the Benjamin Rush Campus and is named in honor of Spencer Fullerton Baird, Class of 1840, professor, and one-time Secretary of the Smithsonian Institution. It is a three-story stuccoed stone structure housing the Department of Biology. It also contains a collection of South American birds originally owned by Professor Baird.

ALUMNI GYMNASIUM (1929) provides ample facilities for all indoor athletics and physical education. These include a white-tiled swimming pool 25x75 feet. The main auditorium seating 3000 is also used for commencement and alumni activities.



SOUTH COLLEGE (1948), of limestone, adjacent to the Alumni Gymnasium, is used as a recreation and classroom building.

### RESIDENCE HALLS

EAST COLLEGE (1836) of the same materials and style of architecture as West College, is a four and a half story building, used entirely as a residence for men.

CONWAY HALL (1904) is a gift from the Hon. Andrew Carnegie, and is named as a tribute to his friend, Moncure D. Conway, Class of 1849. It is used as a residence for freshmen men.

METZGER HALL (1881), located three blocks east of the main campus, is the residence for freshmen women. It is a four-story brick structure.

GIBBS HOUSE, the endowed gift of Rebecca McClure Gibbs, located diagonally across the street from Metzger Hall, is a three-story dwelling remodeled in 1937, and used as a residence for women.

BIDDLE HOUSE (1946), located on the edge of the main campus, is a three-story building used as a residence for women.

DRAYER HALL, a handsome, modern, fireproof, four-story limestone women's residence building located on the Benjamin Rush Campus was completed in April, 1952, and houses 125 women students.

MCINTIRE HOUSE (1948), located on the corner adjacent to the Benjamin Rush Campus, is a two and one-half story building used as a residence for women.

MONTGOMERY HALL (1953), east of Conway Hall, is a seven-apartment building which houses members of the Faculty and their families.

### OTHERS

THE HERMAN BOSLER BIDDLE MEMORIAL ATHLETIC FIELD, the gift of the Hon. Edward W. Biddle, Class of 1870, and Mrs. Biddle, in memory of their son, Herman Bosler Biddle, Class of 1903, is a field of 12 acres completely equipped.

HEALTH CENTER, located west of Conway Hall, is a completely equipped dispensary and infirmary.

A MAINTENANCE BUILDING, west of Conway Hall, houses the carpentry, electrical, painting and plumbing workshops and a garage for the college automobiles and trucks.

# College Activities Program

## PHI BETA KAPPA SOCIETY

ON April 13, 1887, the first chapter of the Phi Beta Kappa Society in Pennsylvania was organized at Dickinson College and is known as the Alpha of Pennsylvania. Seniors of high scholastic standing are eligible for membership and are usually elected upon completion of their college course. A few of the highest ranking students, however, may be elected in February.

## STUDENT GOVERNMENT

The students of the College, through their Student Assembly, promote the welfare of the student body by effecting a close union among students and between students and Faculty. The membership of the Assembly consists of all students of the College. The executive body is the Student Senate, which is made up of one representative from each fraternity and each sorority, one from the Commons Club, one from the Independent Women, and three from the Faculty. The Senate acts for the Assembly in scheduling and regulating all organized student activities, and it controls the Student Activities Budget.

## PUBLICATIONS

THE DICKINSONIAN: the student newspaper, published weekly during the college year.

THE MICROCOSM: the college annual, sponsored by the Junior Class.

THE STUDENT'S HANDBOOK: published annually for the information of new students, sponsored by Pi Delta Epsilon, honorary journalistic fraternity.

THE HORNBOOK: published semi-annually, sponsored by the Belles Lettres Society.

THE DICKINSON ALUMNUS: published quarterly by the General Alumni Association.

THE DICKINSON COLLEGE BULLETIN: published seven times a year by the College.



## ORGANIZATIONS

**RELIGIOUS ACTIVITIES.** While the College is definitely committed to the Christian interpretation of life and duty, it provides opportunities for students of all faiths to conserve and cultivate their religious heritage and to prepare for an active religious life in their homes and communities. These opportunities include the weekly meetings, projects, and all-college activities of the Student Christian Association; the programs of the Alpha and Omega Society for students interested in careers of Christian service; Christian Service Project trips to conduct week-end programs in the churches of Pennsylvania, New Jersey, Maryland, and Delaware; committee work for the annual Religious Emphasis Week; and service on the Dickinson College Interfaith Council.

**THE CHOIR**, under a faculty director, prepares sacred and secular music for chapel programs, trips, and two major concerts—one at Christmas and one in the spring.

**THE BAND** is a marching and concert band which plays for football games, pep rallies, and other public functions. Its student officers and faculty director welcome all qualified instrumentalists.

**LITERARY SOCIETIES.** The Belles Lettres Society and the Union Philosophical Society, founded in 1786 and 1789 respectively, are the oldest student activities on the campus and have contributed to the intellectual development of Dickinsonians for over a century and a half. The former is devoted to literary criticism, the latter to matters of political debate.

**THE MERMAID PLAYERS** present four full-length productions a year under professional direction, in addition to several seasonal bills of one-act plays. Membership is open to all students who actively participate in one or more productions per year. Monthly meetings feature laboratory theatre presentations, guest speakers, and visitors from other dramatic groups.

**THE DEBATE COUNCIL**, under the guidance of a college-appointed director, participates in an extensive program of intercollegiate debating. All students are eligible for membership; those students with good scholastic averages are eligible to travel with the squad. Dual debates and tournaments are scheduled with other colleges throughout the East and South.

**THE INTERNATIONAL RELATIONS CLUB**, established in 1932 under the auspices of the Carnegie Endowment for International Peace, promotes the study of contemporary international affairs and world problems. In



its monthly meetings, reports are presented by students, faculty members, or guest speakers, and these are followed by an informal discussion.

THE MOHLER SCIENTIFIC SOCIETY, through monthly meetings which are open to all students, fosters an interest in scientific subjects. Its programs are particularly stimulating to science majors and pre-medical and pre-dental students.

THE SPANISH CLUB, LA TERTULIA, aims to develop the Spanish student's knowledge and interest by means of music, pictures, plays, and discussions bearing on Spanish-speaking countries and peoples.

THE FRENCH CLUB chooses as its members students who have shown unusual interest and proficiency in the French language. Its meetings are devoted to discussions of the literature, customs, and history of France.

THE FUTURE TEACHERS OF AMERICA, BENJAMIN RUSH CHAPTER, offer all students considering teaching as a vocation an opportunity to hear distinguished educators and to participate in practical discussions of the teaching profession.

THE DICKINSON COLLEGE STUDENT ATHLETIC ASSOCIATION, through its executive committee, deals with athletic matters not handled by the Board of Athletic Control. The president of the Association is the undergraduate member of the Board.

THE "D" CLUB, composed of men students who have won a varsity letter, recognizes athletic ability, encourages sportsmanship, and generally seeks to further the total athletic program of the College.

THE DICKINSON FOLLIES produces each spring an original student musical comedy which usually opens in Carlisle and then makes several other appearances.

THE MEN'S GLEE CLUB, a student-directed organization specializing in college songs, presents fall and spring concerts on the campus, sings at pep meetings and alumni gatherings, and makes guest appearances off the campus.

THE AQUATIC CLUB gives its members an opportunity to swim and also to organize and participate in water pageantry.

FRATERNITIES. Ten national fraternities have chapters at Dickinson—Phi Kappa Sigma, Phi Kappa Psi, Sigma Chi, Beta Theta Pi, Phi Delta Theta, Sigma Alpha Epsilon, Kappa Sigma, Alpha Chi Rho, Phi Epsilon Pi and Theta Chi. The Commons Club is a local organization.



**SORORITIES.** Four national sororities are represented on the campus—Phi Beta Phi, Chi Omega, Phi Mu and Zeta Tau Alpha. There is also an Independent Women's Organization.

Students who have met the prescribed academic requirements may join a fraternity or sorority after one semester's residence. Students may be pledged at a time agreed upon by the Interfraternity and Pan-Hellenic Councils.

**HONORARIES.** In addition to Phi Beta Kappa, there are five national honorary fraternities and three local honorary societies at Dickinson:

**TAU KAPPA ALPHA**, a national men's honorary fraternity for forensic and scholastic attainments;

**OMICRON DELTA KAPPA**, a national fraternity for men students who have achieved distinction in campus leadership and maintained good scholastic averages;

**PI DELTA EPSILON**, a national fraternity recognizing outstanding service in the field of journalism;

**DELTA PHI ALPHA**, a national fraternity honoring students in German studies;

**ALPHA PSI OMEGA**, a national honorary fraternity recognizing outstanding dramatic activity;

**RAVENS CLAW**, a senior honorary society for men;

**SKULL AND KEY**, a junior honorary society for men;

**WHEEL AND CHAIN**, a women's senior honorary society.

# Admission

The usual requirement for entrance to Dickinson College is the satisfactory completion of a secondary school program of at least fifteen units, including three units in English, two units in one foreign language, and one unit each of algebra and plane geometry. Of the remaining eight units, seven shall be from academic courses.

In considering applicants for admission to the college, all of the following factors are important:

1. Personal application and school record on forms supplied by the college;
2. Recommendation of the secondary school principal or headmaster and of others who know the applicant;
3. Personal interview with the Director of Admission or an appointed representative;
4. The Scholastic Aptitude Test of the College Entrance Examination Board. Applicants who desire to enter the College in September should take this examination in January of their senior year, if possible. It is recommended that applicants who wish to continue a foreign language begun in secondary school take the Achievement Test in that language for placement purposes.

Applications and schedules for these examinations may be obtained by writing to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey.

Military service or other experience, strong intellectual interests, and other pertinent information will be considered in the selection of each candidate.

Unusual cases involving divergence from these requirements will be considered on an individual basis by the Committee on Admission.



## Charges and Expenses

The General Charge for each semester at the college is \$300. All students are required to pay a Registration Fee of \$25 (for women in dormitories the fee is \$50) which is credited on the college bill. This fee is not returnable if the student cancels his or her registration.

*College bills for each semester are presented and are payable at the opening of the semester.*

Failure to adjust college bills when due will result in exclusion from College, and no student can have honorable dismissal or certificate of advancement until bills have been adjusted and other reasonable obligations met.

The Trustees reserve the right at any time to amend or add to the regulations of the College, including those concerning fees and methods of payment, and to make such changes applicable to students at present in the College, as well as to new students.

**DISCOUNTS**—For two or more students from the same family, and for children of ministers, a discount of 10 per cent is allowed on the General Charge account, but not on any other part of the College bill. No double discount is allowed. No fees are returned except in case of illness. If a student leaves College because of illness within one month after the opening of the semester, one half of the semester fee may be refunded. *No reduction will be allowed for absence of students withdrawn for unsatisfactory conduct or scholarship.*

**ROOMS**—Dormitory rooms are secured to the students during term-time only, and occupants are responsible for damage to them. When students damaging property are unknown, the cost of repairs may be assessed toward the close of the College year upon the whole body of students, as a special damage account. Any student proved to be guilty of wilful destruction of, or damage to, College property, may be required to pay not only the cost of replacement or repair, but also a fine as determined by the Faculty, said fine to be placed on the special damage account.

Scholarships and discounts are not applied to accounts in Summer School charges.

Agents are not permitted to solicit students on the campus or in the dormitories without first securing permission from the Treasurer's Office.



A Room Selection Fee of \$15.00 is required of all returning male students desiring to select their own rooms. This fee is credited to the student's account. It is not refunded in case of cancellation of application. However, it may be transferred to apply to a later year. Rooms are reserved for the College year. Students are required to make payment of this fee of \$15.00 by June 1 to secure reservation. After this date, rooms not so secured may be assigned to other applicants.

All freshmen men other than day students are required to room in the College dormitory for freshmen. Male members of the other classes who are not day students must room either in the College dormitories or in the fraternity houses.

### EXPENSES

General Charge—Each Semester .....	\$300.00
Budget for student organizations for various student activities, including cultural affairs, athletics and medical fees. Per Semester .....	25.00
Transcript of Record, extra copies each .....	1.00
Practice Teaching in High School .....	25.00
Diploma Fee for seniors, including use of cap and gown .....	10.00
Damage Replacement Account. (This will be returned in whole or in part, depending upon the amount of damage) .....	10.00
Special Students,, per semester hour .....	25.00
Late changing of courses (dropping one and adding another) .....	5.00
but not to exceed .....	15.00
Changing of schedule .....	15.00
Late writing of schedule .....	15.00
Administrative charge for Law elections, per hour .....	10.00
Room Selection Fee (credited to room charge and not returnable on cancellation. This applies to returning male students only) .....	15.00

### FOR MEN RESIDENT IN COLLEGE

Room Rent (each Semester): Conway Hall, \$60 per student for double room, and \$70 for single room; East College, \$65 per student for double room and \$75 for single room. Rooms are furnished with the basic pieces of furniture, including a study light outlet for each student, in addition to ceiling light.

*Checks should be made payable to Dickinson College*

### FOR WOMEN IN DORMITORIES

All women students, except those living with relatives, are required to reside in College dormitories, and are charged \$1,200.00 or \$1,300.00, depending on residence, for two semesters (subject to change), payable \$600.00 or \$650.00 each



semester. This provides for basic essentials such as General Charge, room, board and light. Personal items such as laundry, books, blankets, sheets, pillow cases, towels, personal toilet articles, and fees are not included in this account.

General Charges for Women Residents, per semester ..... \$600.00

General Charges for Women Residents with room in Drayer Hall, per semester ..... 650.00

Returning women students must pay a Registration fee of \$50 prior to room selection for the ensuing year.

## BOARD

All resident women students are required to board at the College dining halls. The residents of Metzger and Gibbs board at the dining hall at Metzger Hall. The residents of Drayer Hall, Biddle House and McIntire House board at Drayer dining hall.

All freshman men are expected to board at the College dining hall (temporarily—Drayer Recreation Room). Boarding arrangements include dining room service on a semester basis. The charges for the semester are \$204.00. After fraternity rushing is completed freshman men are permitted to board at their pledged fraternity. One week advance notice is required for withdrawal from boarding at the College dining hall. Anyone who drops board after the opening of the semester is charged at the rate of \$12.50 per week for the period completed.

In the event that there are insufficient numbers to continue the men's dining hall, it will be closed with advance notice to boarders.

The College also reserves the right to make a proportionate increase in board charges in the event that there shall occur a general increase in food costs.

A Snack Bar is operated in the South College recreation building where students may purchase breakfast, lunch and dinner at nominal prices.

## PART-TIME STUDENTS

Full-time students are those carrying 12 to 17 hours of instruction per week. Part-time students are those carrying fewer than 12 hours of instruction per week.

Auditors' fees are the same as those listed for credit courses.

## PLAN OF PAYMENTS

All charges and fees for the semester are due at Registration. In a few special cases where a satisfactory plan is presented to the Treasurer



of the College, a student is permitted to register under a deferred payment agreement. This agreement will allow a student to register upon making a down payment, a plan for monthly amounts, and final payments before final semester examinations. A service fee of \$2.00 per semester is charged for accounts under these deferred payment agreements. Accounts of one semester must be settled in full before Registration in the succeeding semester will be permitted. Students who fail to meet the deferred payment dates may be suspended from classes until proper arrangements have been made for completion of their payments.

### WITHDRAWAL FROM COLLEGE

A student in good standing is entitled to honorable withdrawal at all times. The date on which the Dean of the College approves the student's withdrawal form is the official date of withdrawal. A student desiring to withdraw voluntarily from the College must obtain from the Registrar an Application for Withdrawal. This form must be properly filled in and returned to the Registrar before the student leaves the campus. Otherwise, he will forfeit his right to honorable withdrawal until he may have been reinstated in good standing by faculty vote. No refunds will be made by the Business Office until the Registrar's Office certifies that the withdrawal procedure has been properly completed.

If a student called away during the semester by an emergency finds it impossible to resume his work, he must notify the Registrar's Office of his voluntary withdrawal immediately. Unless the notice is filed with the Registrar within three weeks, the student will forfeit his right to honorable withdrawal.

Special consideration is given men called into military service involuntarily whereby fractional credit may be given for work carried at a passing level.

If the withdrawal occurs before the end of the semester, the student is obligated for tuition charges as follows:

Two weeks or less .....	20 per cent
Between two and three weeks .....	40 per cent
Between three and four weeks .....	60 per cent
Between four and five weeks .....	80 per cent
Over five weeks .....	100 per cent

No Refunds Will Be Allowed on Room Rentals and Fees, but unused board at \$5.00 per week may be refunded.



## General Information

**REGISTRATION**—The last date to register for classes is ten days after the opening of the College Term.

**GOVERNMENT AND DISCIPLINE**—Students are expected to conform to the requirements of good morals and good citizenship. In the absence of specific regulations, the Faculty is charged with passing on matters respecting the general life of the students in the College. In practice, however, the regulation of the life of the student body is left largely to the students themselves. Among the regulations of the College is the following: "In particular, any use of intoxicating liquor, failure to give truthful testimony to an officer of the College, and dishonesty in College work are considered very serious offenses, and usually lead to dismissal."

**CHAPEL**—Chapel and assembly services are held twice a week, and all students are required to attend a specified number of such services. In addition, voluntary mid-day devotions are held daily in the Durbin Oratory in West College.

**GUIDANCE**—The student is the center of the College's educational program. Counseling begins with the pre-registration interview with the Director of Admissions. Each entering Freshman is assigned to a Faculty Adviser who will assist him in adjusting to college life, in academic planning, and in meeting such other problems as may arise in his first two years. To help in attaining a better understanding of his abilities, the freshman is given achievement, personality, vocational aptitude, and other psychological tests early in the school year, the results of which are discussed with the adviser. A corps of highly selected upperclassmen serve voluntarily as Student Counselors in the residence halls. When the student is accepted as a departmental major, which occurs ordinarily at the close of his second year, the chairman of the department becomes his academic adviser. Completing the formal advisory staff, which is headed by the Dean of the College, are a number of specialists, including the Deans of Men and Women, the General Counselor, the Director of Testing, the religious adviser, and advisers in such pre-professional interests as medicine, law and engineering. This formal advisory system, however, does not replace the individual faculty member, who daily performs a wide variety of informal counseling made possible by the limited enrollment of the College. The whole guidance program is thus designed to help the individual to effective adjustment and successful accomplishment.



**SELF-HELP EMPLOYMENT**—Self-help through employment in various departments of the College is available to needy students, application for which should be made to the office of the Treasurer. As it is assumed that the acceptance of such employment is to assist the student in meeting his College bills, any amounts so earned are subject to application to the student's account as long as he has any unpaid balance.

**PLACEMENT**—The interest of the College in its students does not terminate with graduation. The Dean of Men is the placement officer of the College and arranges for student interviews on and off the campus with the personnel officers of many large business and industrial organizations. In addition the Dean of Men and the Dean of Women offer vocational counseling and guidance to students who request this service. Vocational guidance materials and company information is kept up to date in the office of the Dean of Men and in a special section of the library.

The placement of teachers in secondary schools is coordinated through the office of the Dean of Men and the Department of Education and Psychology.

**HEALTH SERVICE**—For emergency and minor illnesses, an infirmary for resident women is provided in Metzger Hall and in Drayer Hall, as well as first-aid equipment in the Department of Physical Education.

A modern Health Center is available to students. A dispensary and waiting room are located on the first floor. The second and third floors contain wards and private rooms for patients. A registered nurse lives at the Health Center and is in charge.

The medical staff of the College consists of a physician for men, a physician for women, and a registered nurse. The service of the physicians is available for all students under regulations fixed by the College. The College provides these health services, but does not assume legal responsibility for the health of its students. For special treatment and serious illness, the Carlisle Hospital is available. Students who do not wish to use the health benefits of the College may make other arrangements on their own responsibility.

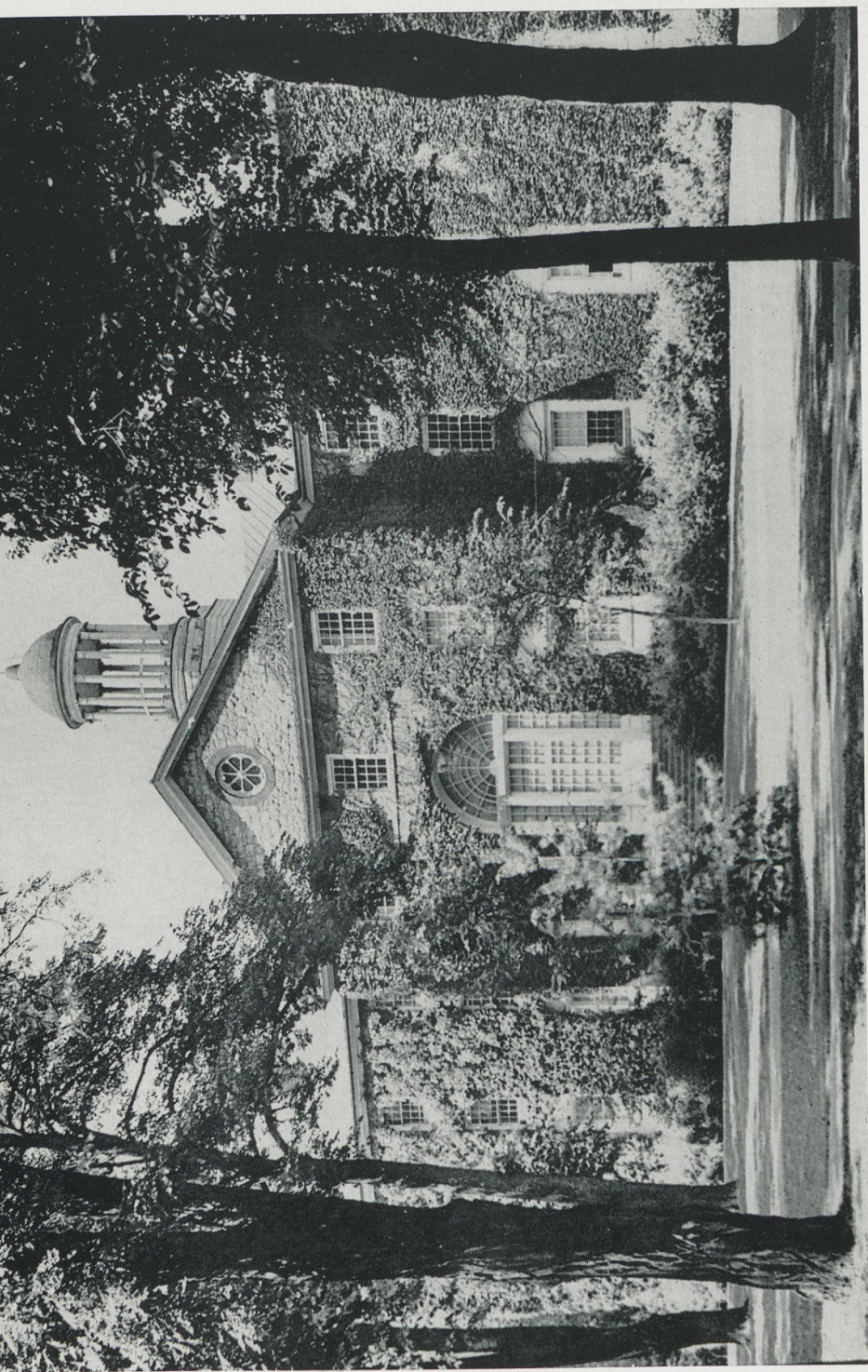
**ACCIDENTS**—Arrangements have been made by the College with the Insurance Company of North America to provide accident insurance policies at low rates. Such policies are \$10 for men and \$5 for women yearly. All students are required to avail themselves of this offer, since the College can assume no liability for expenses connected with accidents. In case a student requests a release from this regulation because he already has insurance or his parents do not desire it, a statement from his parents concerning this is necessary.





HISTORIC BUILDINGS, IVY-COVERED, SET THE ARCHITECTURAL STYLE  
OF THE CAMPUS





"OLD WEST", DESIGNED BY BENJAMIN LATROBE IN 1803, IS ONE OF  
AMERICA'S EDUCATIONAL LANDMARKS





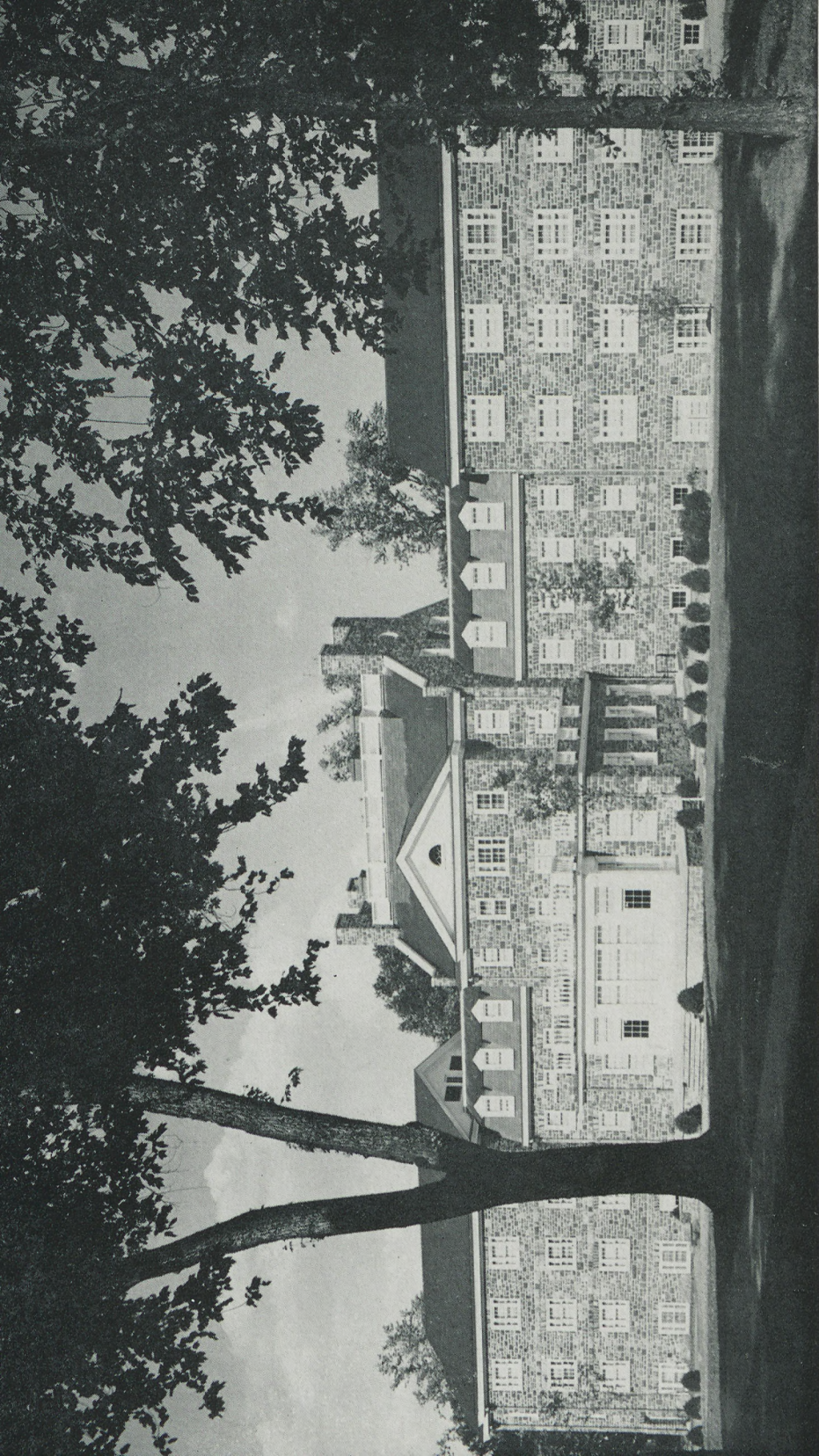
THE SCIENTIFIC BUILDING CARRIES THE NAME OF JACOB TOME





BOSLER HALL,  
THE LIBRARY AND CHAPEL





DRAYER HALL,  
NEW RESIDENCE FOR WOMEN, STANDS ON THE BENJAMIN RUSH CAMPUS





THE ALUMNI GYMNASIUM WAS THE GIFT OF LOYAL DICKINSONIANS





UNDER THE CAMPUS ELMS GOES THE ACADEMIC PROCESSION IN CAP AND GOWN





DENNY HALL FURNISHES CLASSROOM SPACE



# The Course of Study

As a liberal-arts College, Dickinson provides its students with a broad general educational program of study. This plan gives assurance that each student becomes familiar with the major areas of human knowledge and gains the background for realization of the aims set forth in the College purpose. After these foundations are laid he is encouraged, particularly in the upper levels of college work, to seek a deeper understanding of a particular field through specialized study.

Particular attention is given to students preparing for graduate work on the university level, law, medicine or dentistry, the ministry, and teaching. Plans of study have been carefully worked out to meet graduate requirements for these fields. Excellent background courses are also offered for government, business, social service, journalism, medical technology, and similar careers. Each year a high percentage of the graduating class continue formal study in professional and graduate schools throughout the country. All students, however, whether interested in a terminal liberal-arts education or aiming at intensive specialization later on, must comply with the rules governing distribution and concentration.

## PROGRAMS FOR ENGINEERING STUDENTS

Dickinson College furnishes a program for engineering students which combines the advantages of the smaller liberal arts college with the training to be secured at a large urban engineering school. By arrangement with the University of Pennsylvania Engineering Schools, Rensselaer Polytechnic Institute, the Case Institute of Technology, the College offers a five-year course, the first three years of which are spent at Dickinson, the final two at the engineering school selected. A student may secure a degree both in liberal arts and in engineering through this five-year program. Candidates for an engineering program should indicate to the Director of Admissions of Dickinson College that they wish to apply for the Dickinson-Pennsylvania or the Dickinson-Rensselaer Liberal Arts and Engineering Program, or the Dickinson-Case Binary Curriculum.

## COLLEGE-LAW SCHOOL PROGRAM

Students at Dickinson College planning a law career have distinct advantages in pre-professional training. The pre-legal student may elect, upon completion of his sophomore year, to take a combined college-law program which is approved by the State Board of Law Examiners of



Pennsylvania. Under this program the student who has a satisfactory scholastic average may register for six semester hours of law in the junior year, if in full standing, and as many as twelve semester hours in the senior year. If, however, the student makes a general average of 2.75 in the junior year, including six semester hours of law, he may register for twenty-four semester hours of law in the senior year, making a total of thirty semester hours toward graduation. All pre-legal students taking the combined course are required to elect English 25 and to complete the College requirements of distribution and concentration. This combined plan is open only to students who enter College not later than the beginning of the sophomore year. If the student elects the combined plan, he must register his intention to do so with his departmental adviser and secure permission from the Dean of the College and Dean of the Law School. An extra charge is made for Law, payable to the Treasurer of the College, if the student elects these courses to count toward his college degree.

### THE WASHINGTON SEMESTER

In cooperation with The American University and an allied group of colleges and universities, this College offers four high-ranking juniors the opportunity to study during the spring semester at The American University, Washington, D. C. These students must be majors in either economics, history, political science or sociology. Application must be made to the Dean of the College, through the Chairman of the department in which the student is completing his field of concentration, before October 15, 1954. Colleges participating in this program in addition to Dickinson College include: Allegheny, Birmingham-Southern, Denison, Hamline, Hiram, Kenyon, Lindenwood, Oberlin, Transylvania, Westminster, Wooster and Williamette.

### THE ARMY R.O.T.C. PROGRAM

#### DEPARTMENT OF MILITARY SCIENCE AND TACTICS

In 1952 the United States Department of the Army established a unit of the Army Reserve Officers' Training Corps on the campus of Dickinson College for the purpose of training selected cadets for one of the major responsibilities of democratic citizenship, service in the Armed Forces in time of need. The unit at Dickinson College is one of the newly-created Branch General programs which provide training leading to commissioning in any of the branches of the Army.

The course at Dickinson College is voluntary. Cadets accepted in the program are obligated to complete the basic course and, if selected, to



complete the advanced course. (For information concerning subjects taught see page 84.)

Veterans of the Army, Air Force, Navy, Marines, and Coast Guard with previous honorable active service may, on approval of the Professor of Military Science and Tactics, be admitted to the R.O.T.C. program with advanced standing.

Any student who desires to take military training but who, for any reason, believes he may be physically unfit, should have a physical examination made by his family physician and the report thereof recorded on Form 88. (Form 88 may be secured by writing to the Professor of Military Science and Tactics, Dickinson College, Carlisle, Pa.)

All students of the Army R.O.T.C. are furnished complete uniforms at government expense. An officer's type uniform is issued to all regular enrolled advanced course cadets. This uniform becomes the property of the cadet after he has successfully completed the course and accepted a commission.

The cadet will receive pay for 595 days of the advanced course. This pay amounts to 90 cents a day, or approximately \$27.00 a month for this period. All advanced course students will attend a summer camp, for six weeks, in their selected branch. The cadet is furnished equipment, clothing, food, medical care, and in addition is paid approximately \$125.00 during the camp period.

**RESERVE COMMISSIONS**—Completion of the advanced course of instruction qualifies the cadet for appointment as a Second Lieutenant in the Organized Reserve Corps of the Army of the United States. Outstanding cadets who wish to make the Army their career may apply for a direct commission in the Regular Army.

Students accepted in the corps will, upon signing a deferment agreement, be deferred under the provisions of the Selective Service Act of 1948 for the duration of their enrollment in the Army R.O.T.C.

### SUMMER SCHOOL

Beginning in the summer of 1954 the College will resume its summer program consisting of two six-week terms for the successful completion of which a student may obtain a maximum of 12 college credits applicable to his degree requirements at Dickinson College or acceptable for transfer credits at other academic institutions. In addition to the traditional

academic subjects, the College will provide in its summer programs certain specialized offerings of distinctive character, as set forth in the separate summer bulletin. Copies of this bulletin may be obtained from the Director of Admission, Dickinson College, Carlisle, Pennsylvania.

### THE DICKINSON COLLEGE ADULT EDUCATION PLAN

As a community service Dickinson College offers each fall and spring a program of noncredit evening courses with a cultural or vocational focus. While generally ten weeks in duration, these courses vary according to the special interests of the individuals or groups served. For announcements of the courses in any specific series inquiries may be addressed to the Dean of the College.



# Curriculum

The College offers two parallel courses in the Liberal Arts and Sciences, leading to the degrees of Bachelor of Arts and Bachelor of Science.

## I. REQUIREMENTS FOR GRADUATION

A. 124 semester hours of academic work, 4 semester hours in Physical Education, and 7 semesters of Chapel attendance.

B. An accumulative average of at least 1.75 for the entire course.

C. Required courses for both the Bachelor of Arts and the Bachelor of Science degrees:

1. English 1-(2), a laboratory science [Biology 11-(12) or 23-(24), Chemistry 11-(12), Geology 11-(12), Physics 11-(12)].

2. *Language Requirements:* A candidate for a degree is required to do work in one language, Classical or Modern. In general, a college course of a rank equivalent to Latin 11-(12) will satisfy the requirement. Any student entering a course in a foreign language which he has studied for two or more years in secondary school must take a placement examination. (A College Entrance Examination Board test will satisfy this requirement.) Students failing to make a satisfactory score in this test are advised to begin a new language. Under certain circumstances, however, they may be admitted into the basic level course [1-(2)] in a language submitted for entrance. Students making a satisfactory score in the placement test are permitted to enroll for the intermediate course [11-(12)]. Students making an exceptionally high score in the placement test may be permitted to substitute an advanced reading course in the language to meet the requirements for a degree.

*Modern language reading examination:* A candidate who elects to meet the language requirements in a Modern Language must attain a satisfactory grade in a sight-reading test in the language studied. Transfer students who have been given credit for a modern language through the intermediate level at another institution will be required to pass the sight-reading test.

3. *Distribution Requirements:* Candidates for either the A.B. or the Sc.B. degree must complete at least three semesters of work, in courses numbered above 10, in each of the following four groups:



Group A: English, French, German, Greek, Latin, Spanish, and the courses in Drama, Speech, and World Literature.

Group B: History, Economics, Political Science, and Sociology.

Group C: Art, Appreciation of Music, Education, Philosophy and Religion, and Psychology.

Group D: Biology, Chemistry, Geology, Mathematics, and Physics. (An eight-hour laboratory science course will satisfy the distribution requirements in this group.)

*D. Field of Concentration:* Each student must elect a field of concentration and complete in this field a major subject in one department and a minor in another department in allied courses related, or supplementary, to the major. The field of concentration must be chosen before the end of the sophomore year and be approved by the chairman of the department. Only courses numbered above 10 will be counted toward a major or minor. Specific information regarding majors and minors in the various departments may be found at the close of each listing of courses.

Candidates for the Sc.B. degree are required to select a major in Biology, Chemistry, Mathematics, or Physics; and complete at least 12 additional hours of work in courses numbered above 10 in one or more of the other three departments. Part or all of these additional hours may be in Geology.

*Residence Requirements:* A student is required to complete a minimum of 60 semester hours of course work in residence to qualify for a degree. At least 24 of the 30 hours immediately preceding graduation must be completed in residence. Work completed under such cooperative programs of study as the binary engineering programs and the Washington Semester shall be construed as work in residence. Residence requirements for foreign students shall be determined on an individual basis by the Dean of the College.

## II. DEGREE PROGRAMS

### A. BACHELOR OF ARTS

1. Freshman year: academic load 30-36 semester hours

a. *Required courses:*

*Sem. Hrs.*

English 1- (2) .....	6
Foreign language .....	6-8
Physical education (2 hr.)	



- b. *Electives* from the following groups so chosen as to lead to satisfaction of the requirements of distribution:

<i>Group A.</i>	Foreign language .....	6-8
<i>Group B.</i>	History 11-(12) .....	6
	History 13 .....	2
	History (14) .....	2
	Economics 11 .....	2
	Economics (12) .....	2
	Political Science 11-(12) .....	6
	Sociology 15 .....	3
	Sociology (16) .....	3
<i>Group C.</i>	Philosophy 11 .....	3
	Philosophy (12) .....	3
	Philosophy 15 .....	3
	Philosophy (16) .....	3
	Psychology 11-(12) .....	6
<i>Group D.</i>	Mathematics 3-(4) .....	10
	Mathematics 9-(10) .....	6

- c. *Free elective for men:*

Military Science 1-(2) .....	4
(If Military Science is elected Physical Education need not be taken.)	

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*Total semester hours for Freshman year* ..... 30-36

2. Sophomore year: academic load 30-36 semester hours

- a. *Required courses:*

*Sem. Hrs.*

One of the following Laboratory Sciences:

Biology 11-(12) .....	8
Biology 23-(24) .....	8
Chemistry 11-(12) .....	8
Geology 11-(12) .....	8
Physics 11-(12) .....	8
Physical Education (2 hrs.)	

- b. *Basic distribution:*

Electives from Groups A, B, C, and D so chosen as to complete satisfaction of the requirements of distribution ..... 22-28

c. *Free elective for men:*

Military Science 10-(11) .....	4
(If Military Science is elected Physical Education need not be taken.)	

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*Total semester hours for Sophomore year* ..... 30-36

## 3. Junior and Senior years: academic load 32-36 semester hours

- a. Complete requirements for distribution.
- b. Courses in chosen field of concentration.
- c. Free electives.

## B. BACHELOR OF SCIENCE

## 1. Freshman year: academic load, 30-36 semester hours

a. *Required courses:*

Sem. Hrs.

<i>Group A.</i> English 1-(2) .....	6
Foreign language .....	6-8
<i>Group D.</i> Mathematics 3-(4) [or 9-(10)] ..	6-10
Biology 11-(12) or Chemistry	
11-(12) .....	8
Physical education (2 hr.)	

- b. *Elective courses* to be so chosen from the following as to lead to satisfaction of the requirements of distribution:

<i>Group B.</i> History 11-(12) .....	6
History 13 .....	2
History (14) .....	2
Sociology 15 .....	3
Sociology (16) .....	3
Economics 11 .....	3
Economics (12) .....	3
Political Science 11 .....	3
Political Science (12) .....	3
<i>Group C.</i> Psychology 11-(12) .....	6
Philosophy 11 .....	3
Philosophy (12) .....	3
Philosophy 15 .....	3
Philosophy (16) .....	3



c. *Free elective for men:*

Military Science 1-(2) ..... 4

(If Military Science is elected Physical Education need not be taken.)

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*Total semester hours for Freshman year* ..... 30-36

## 2. Sophomore year: academic load 30-36 semester hours.

a. *Required courses:*

Science courses contributory or preparatory to  
proposed field of concentration.

Physical Education (2 hr.)

b. *Basic distribution:*

Electives so chosen from Groups A, B, C, or D  
as to satisfy the requirements for distribution.

c. *Free elective for men:*

Military Science 10-(11)

(If Military Science is elected Physical Education need not be taken.)

## 3. Junior and Senior years: academic load 30-36 semester hours

a. Electives so chosen as to satisfy the requirements for  
distribution.

b. Courses in chosen field of concentration.

c. Free electives.

4. Candidates for the Sc.B. degree are required to select a major in Biology, Chemistry, Mathematics or Physics; and complete 12 additional hours of work in courses numbered above 10 in one or more of the other three departments. Part or all of these additional hours may be in Geology.

### III. SELECTIVE ACADEMIC REGULATIONS \*

- A. Responsibility rests with the student for the election of such courses as will satisfy the requirements of the College for graduation.
- B. All students are expected to do satisfactory work in their academic studies. Any student who is neglectful of his studies or irregular in his attendance may be required to withdraw.

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\* The complete academic regulations are available in other publications of the College.

- C. Credit for courses is based on the assumption that two hours of study accompany each period of recitation or lecture. The College may grant credit for work done at approved summer schools on previous arrangements with the Dean of the College. To receive credit the work must be at least C or its equivalent quality credit value. This work will count as hours credit toward graduation but the grade will not be used in computing the College average.
- D. Averages: An Inclusive Average is computed on the quality-credit scale from the semester grades in each subject. Each grade (A—excellent; B—above average; C—average; D—below average; F—failing) is given a weight corresponding to the number of credit hours of the subject. A Semester Average is the Inclusive Average for any particular semester. An Accumulative Average is computed on the quality-credit scale on the basis of all grades earned at Dickinson College of quality D or better.
- E. Minimum requirements:
1. A student who fails to attain an Inclusive Average of 0.75 at the end of his first semester of residence will be advised to withdraw from College.
  2. A student who fails to attain an Inclusive Average of at least 1.25 at the end of his first year of residence will be required to withdraw.
  3. A student who has Semester Averages below 1.75 for any three consecutive semesters will be required to withdraw.
  4. If the student does attain a semester average of 1.75 during the third consecutive semester, after failing to do so during the previous two semesters, his average for the fourth consecutive semester must be such that the Inclusive Average for the third and fourth semesters will be at least 1.75.
- F. Advancement: To be advanced a student must have:

<i>Class</i>	<i>Semester Hours Academic Credit</i>	<i>Accumulative Average</i>
Sophomore .....	28	1.75
Junior .....	58	1.75
Senior .....	90	1.75

G. Course schedules:

1. The academic load is normally 15 to 17 hours. Elective courses in excess of the prescribed number of hours may be taken if, in the



judgment of the faculty, such additional work will not interfere with the regular work. For hours in excess of 17 an extra charge is made.

2. Any required course, and courses which are to be repeated because of failure, shall take precedence over all other courses.

3. Changes in electives may be made with the consent of the Faculty Advisers not later than ten days after the opening of any semester.

4. The schedule of any student in academic difficulties may be shortened by the Faculty Adviser. In such cases the grade for the course shall be recorded an F. Cases which do not involve academic difficulties may be considered by the Faculty.

H. The College reserves the right to change its regulations and the courses of study without previous notice to the students.

### HONORS WORK

A student who demonstrates superior ability during the first two academic years of his course is encouraged to enroll for additional work in Honors. This opportunity is offered on the assumption that a student who attains grades well above the average probably has both the competence and time to profit by additional training more advanced than the regular offering and differing from it in emphasizing independent self-direction. Each student so enrolling will work under the immediate supervision of a member of the Faculty. The program will consist of (1) advanced work in a selected field and (2) a project of investigation or research devised to suit the needs and interest of the individual student. Its successful completion will be recognized by the award of the appropriate degree with honors or high honors, a record of which will appear on the diploma and all transcripts of grades furnished by the Registrar of the College.

# Courses of Instruction

Below are given, in alphabetical order, the departments of instruction, with a description of the courses offered under each.

Credit for courses is based on the assumption that two hours of study accompany each period of recitation or lecture.

The classification of courses is as follows:

Numbers 1 to 9: Elementary courses (Freshman courses mainly).

Numbers 10 to 19: Sophomore courses mainly.

Number 20 and above are advanced courses.

The following also are indicated:

1. Odd numbers generally indicate Fall Semester courses.
2. Even numbers generally indicate Spring Semester courses.
3. A hyphen indicates a year course in which credit will not be given for the work of only one semester.
4. A comma between the numbers generally indicates that the course may be elected for the year or the Fall Semester only, if the student so desires, but it may not be elected for the Spring Semester only. In addition, such courses have an asterisk in front of the numbers and a statement such as "Three or Six Sem. Hr." following the title of the course.
5. Courses indicated by a comma between numbers that may be elected for the year, or for either the Fall or the Spring Semester only, have this statement following the title of the course, "Three or Six Sem. Hr." or "Two or Four Sem. Hr.," etc.
6. Laboratory courses supplementing the lecture courses in a subject are generally indicated by an "L" after the number of the course.

## BIOLOGY

PROFESSORS EDDY AND HERBER

MR. CAHN

The general course in biology offers the liberal-arts student a comprehensive view of the properties and principles of living matter, while at the same time providing a groundwork in the techniques of experimental science. Upon this foundation, the advanced courses provide a detailed analysis of the structures and functions of the organism in plant, animal, and human life.



## 11-(12).—GENERAL BIOLOGY

Lectures and recitations in biological principles, plant morphology, and plant physiology. *Six semester hours; laboratory, two semester hours.*

## 23-(24).—GENERAL ZOOLOGY

Lectures and recitations in animal morphology, physiology and comparative anatomy. *Four semester hours; laboratory, four semester hours.*

## (32).—MAMMALIAN ANATOMY

A study of anatomy of the animal, particularly the cat, in a dynamic way. *Prerequisite: Zoology 23. Lecture, one semester hour; laboratory, one semester hour.*

## (34).—BACTERIOLOGY

A study of the structure, cultivation, sterilization and identification of micro-organisms. *Lecture, two semester hours; laboratory, one semester hour.*

## 41-(42).—HISTOLOGY

The study of animal tissues and organography. *Prerequisite: Biology 11, or Zoology 23. Lecture, two semester hours; laboratory, two semester hours.*

## (44).—EMBRYOLOGY

The study of the development of animals, using the experimental approach. *Prerequisite: Biology 11-(12). Lecture, two semester hours; laboratory, one semester hour.*

## 45.—PHYSIOLOGY

General principles of physiology together with the functions of the different systems of the human body are studied in the lecture part of the course; in the laboratory part, blood, digestion and the making of kymograph records of muscle-nerve reactions are emphasized. *Lecture, two semester hours; laboratory, one semester hour.*

## 51.—GENETICS

A study of the principles of heredity, their application, and relation to evolution and eugenics. *Prerequisite: Biology 11-(12). Two semester hours.*

## 53.—PARASITOLOGY

A study of parasites in relation to disease; their life histories and geographical distribution. *Prerequisite: Biology 11-(12) or Zoology 23-(24). Lecture, two semester hours; laboratory, one semester hour.*

## (54).—SYSTEMATIC BOTANY

Lecture, a study of the major factors in distinguishing families and species of plants; the laboratory work consists of fieldwork in identifying and collecting twigs of trees in winter and flowers in spring. *Lecture, one semester hour; laboratory, one semester hour.*

## 62.—ENTOMOLOGY

Lecture, a study of the morphology and classification of insects. *One semester hour; laboratory, one semester hour.*

## 81, (82).—SPECIAL PROBLEMS

Laboratory work, research aspect emphasized. Topics are assigned for investigation. *One or two semester hours.*

Major: 30 semester hours, including Biology 11-(12) and Zoology 23-(24).

Minor: 18 semester hours, including Biology 11-(12).

Geology 21-(22) and 25 or (26) may be counted toward the Major.

## CHEMISTRY

PROFESSORS VUILLEUMIER AND ROGERS

ASSISTANT PROFESSOR GLEIM

The work in General Inorganic Chemistry is planned to meet the needs of the student for whom this is the terminal course in chemistry, as well as for the student who plans to take additional courses in the department.

The advanced courses are planned primarily for students who are preparing for medicine, teaching, industry and graduate work.

## 11-(12).—GENERAL CHEMISTRY

The material in the text is supplemented by demonstrations and explanations. Students are given considerable practice in solving problems. *Recitation, six semester hours; laboratory, two semester hours.*

## 27.—QUALITATIVE ANALYSIS

A study of the common metal ions and acids or anions, and schemes of analysis. *Prerequisite: General Chemistry. Recitation, two semester hours; laboratory, two semester hours.*

## (34).—ELEMENTARY PHYSICAL CHEMISTRY

Lecture course, primarily for pre-medical students. A study of structure, solutions, equilibrium, conductance, electro-motive force, pH, colloids, and related topics. *Prerequisite: General Chemistry and Qualitative Analysis. Two semester hours.*

## 51-(52).—ORGANIC CHEMISTRY

A study of the chief classes of carbon compounds, with emphasis upon preparation, properties, and structure. *Prerequisite: General Chemistry and Qualitative Analysis. Recitation, four semester hours; laboratory, four semester hours.*

## 53.—IDENTIFICATION OF ORGANIC COMPOUNDS

*Prerequisite: Organic Chemistry. Beilstein is used. Recitation, two semester hours; laboratory, one semester hour.*

## (54).—ADVANCED THEORETICAL ORGANIC CHEMISTRY

Lecture course. A discussion of phases of organic chemistry not covered in the more elementary course. *Prerequisite: Organic Chemistry. Beilstein is used. Open only to seniors who have completed three years in college chemistry. Two semester hours.*



## (62).—QUANTITATIVE ANALYSIS

Devoted largely to the principles and methods of volumetric and gravimetric analysis. Prerequisite: Qualitative Analysis. The laboratory program is flexible, and latitude is allowed students manifesting interest and ability. *Semester hours of credit depend upon the number of hours elected by the student. The minimum offering is two semester hours. Prospective chemists should plan to complete a total of six semester hours of laboratory work in quantitative analysis by the end of the junior year. Recitation, two semester hours; laboratory, at least two semester hours.*

## 63-(64).—ADVANCED QUANTITATIVE ANALYSIS

Advanced analysis, with emphasis upon instrumental methods. *Prerequisite: Quantitative Analysis. Open only to seniors who have completed three years of college chemistry. Recitation, two semester hours; laboratory, four semester hours.*

## \*81-(82).—PHYSICAL CHEMISTRY

The kinetic theory of gases, thermodynamics, solutions, equilibrium, electrochemistry, colloids, the structure of the atom, and related topics. *Prerequisite: Integral Calculus. Determinations of molecular weight, density, viscosity, refractive index, surface tension, solubility, transition points, equilibrium constants, conductance, electromotive forces. Additional experiments are performed. Three laboratory hours per week for the year. Recitation, six semester hours; laboratory, two semester hours.*

Major: 30 semester hours.

Minor: 18 semester hours.

## CLASSICAL LANGUAGES AND LITERATURE

PROFESSORS BISHOP AND SANDELS

ASSOCIATE PROFESSOR MAURINO

In the department of Classical Languages stress is laid upon the acquisition of vocabulary and the reading of choice portions of Greek and Latin literature. An effort is made to acquaint the student with the varied cultural aspects of these ancient civilizations. Such knowledge, when properly assimilated, broadens the student's mental horizon and makes him better able to appreciate the finer things of life.

*Greek*

## 1-(2).—FIRST-YEAR GREEK

Emphasis will be laid upon forms, vocabulary, and the fundamental principles of Greek grammar. The class will read easy selections from Greek prose and parallel readings dealing with Greek private life. *Six semester hours.*

## 11-(12).—SECOND-YEAR GREEK

This course will include a review of grammar and the reading of Attic prose in the first semester, and in the second semester, selections from Homer's *Iliad*, as well as from the Gospel of Mark. *Six semester hours.*



## 23.—GREEK PRIVATE AND PUBLIC LIFE

*No knowledge of Greek required. Two semester hours.*

## 31, (32).—GREEK LITERATURE SURVEY

Reading of typical Greek authors, such as Herodotus, Selections; Thucydides, Book I; Lysias; Plato, *Apology*; Euripides, *Alcestis*. Supplementary reading from Greek literature in English translation. *Not to be given in 1953-54. Three or six semester hours.*

## 43, (44).—CLASSICAL ARCHAEOLOGY

First semester, Greek archaeology, with particular emphasis on topography, sculpture, and architecture. Second semester, Roman archaeology. *Either semester may be taken separately. Not to be given in 1953-54. Two or four semester hours.*

Major: Not offered.

Minor: 17 semester hours, including Greek 11-(12), 23, and 31-(32), and History 21, (22).

### Latin

## 1-(2).—FIRST-YEAR LATIN

Drill in the fundamentals of Latin grammar, with added reading of Latin prose in the second semester. *Six semester hours.*

## 11-(12).—SECOND-YEAR LATIN

Grammar and prose composition. Selected readings from Latin prose and poetry. Public and private life of the Romans. *Offered for those entering with two or three units of Latin, or for those who have completed Latin 1-(2). Six semester hours.*

## 21.—ROMAN HISTORIANS

Selections from Livy, Sallust, and Suetonius. Review of grammar. Parallel reading in Roman history and government. Reports on assigned topics. *Three semester hours.*

## (22).—HORACE, ODES AND EPODES

The life and literature of the Augustan Age. Horace and his philosophy of life. *Three semester hours.*

## 31.—PLAUTUS AND TERENCE

Reading of at least two plays of each poet. Study of the ancient theater and of the literature of the Roman Republic. *To be given 1954-55. Three semester hours.*

## (32).—LETTERS OF CICERO

The life and character of Cicero as revealed in his letters; a study of the political and social conditions of his Age. *To be given 1954-55. Three semester hours.*

## 33-(34).—PROSE COMPOSITION

Special attention is given to Latin idiom and sentence structure. Much practice in both oral and written composition. *Two semester hours.*

## 41.—VIRGIL:

The *Bucolics*, *Georgics* and portions of the *Aeneid*, VII-XII. Virgil's life and literary influence. Comparison of his epic with the epic poems of other literatures. *Not to be given in 1954-55. Three semester hours.*



## (42).—ROMAN SATIRE

Horace, Juvenal, and Petronius. The origin and development of Roman satire; study of Roman social life. *Not to be given in 1954-55. Three semester hours.*

## 43, (44).—ADVANCED PROSE COMPOSITION

Emphasis is laid upon the translation of connected prose selections from English into Latin. An attempt will be made to imitate different Latin authors. *One or two semester hours.*

## 45.—CATULLUS AND OVID

Catullus as a lyric poet; his influence upon later writers. The *Metamorphoses* of Ovid; special attention is given to classical mythology and art. *Not to be given in 1954-55. Three semester hours.*

## (46).—ROMAN PHILOSOPHY

Lucretius, Selections; Cicero, *Tusculans*; Seneca, Essays and Letters. *Not to be given in 1954-55. Three semester hours.*

Major: 29 semester hours, including Latin 11-(12), 21-(22), 33-(34), and History 23 and 24.

Minor: 18 semester hours, including Latin 11-(12) and 21-(22).

## ECONOMICS

ASSOCIATE PROFESSORS FINK, PRINZ AND KENAGY

ASSISTANT PROFESSOR BLOODGOOD

The Department of Economics offers courses designed to give the student a knowledge of the theories underlying the principal economic systems of the world today. The methods employed are historical, conceptual, and practical. A student majoring in the field may obtain the prerequisites for graduate study in economics as well as for advanced study in certain allied disciplines. Other students may find in the department's varied offerings courses complementary to specialized programs in such fields as political science, history, social science, and the like.

## 11.—THE ECONOMICS OF AMERICAN INDUSTRY

A study of the origins of manufacture in the U. S. A., its dynamic nature, and its socially important problems. Selected industries are surveyed under three major headings: (1) The place and structure of the industry in our economic order; (2) the historical development and evolution, and (3) the competitive aspects of the industry. *Not open to Juniors or Seniors who have credit for Economics 21-(22). Three semester hours.*

## (12).—ECONOMICS OF CONSUMPTION

The nature of consumption and its relation to income and saving, including productive consumption and methods of saving; income distribution and the personal allocation of income in relation to consumer needs and levels of living; factors affecting the use of income, and the role of both governmental and private agencies in educating and safeguarding consumers. *Not open to Juniors and Seniors who have credit for Economics 21-(22). Three semester hours.*



### 15.—ECONOMIC GEOGRAPHY

A study of the main geographic regions of the world with respect to their climate, natural resources, main products, and their population (its density and stage of development) as a basis for the understanding of world trade and international economic policies. *Three semester hours.*

### 21-(22).—PRINCIPLES OF ECONOMICS

An intensive analysis of our economic system, its organization and its functions. The first semester's work involves definitions and concepts, elementary principles, and the methods and procedures of economic analysis and logic. During the second semester attention is focussed upon the application of those principles and methods as they apply to special areas and problems, in order that skill may be developed in analysis of recurrent types of economic relationships. *Six semester hours.*

### 29-(30).—ACCOUNTING

A course designed to acquaint those preparing for business or the professions with a general knowledge of accounting as a method of economic analysis and interpretation. Use of accounting for information and control; double entry theory; techniques; classification of accounts; problems in valuation; preparation and analysis of operating cost and other financial statements. *Six semester hours.*

### 33.—PUBLIC UTILITIES

The economic nature and the legal status of public utilities; principles underlying the evolving regulation of utilities by federal, state and local governments. Government ownership as an alternative form of control. *Prerequisite: Economics 21. Three semester hours.*

### (34).—BUSINESS ORGANIZATION

The forms of business enterprise compared in their legal status and economic importance; dominance of the corporate form of private enterprise; problems of business administration; investors' rights, and state control. A major part of the course is devoted to the corporation as a private business agency, but considerable attention is given to the use of the corporation by our federal government in public enterprise. *Prerequisite: Economics 21. Three semester hours.*

### 35.—TRANSPORTATION

A survey of evolution of our transportation facilities and an analysis of the economic principles and conditions which have caused those facilities to be subjected to governmental regulations; an examination of the evolution of those regulations and the present status of public carriers. *Prerequisite: Economics 21. Not to be given in 1954-55. Three semester hours.*

### 44.—PUBLIC FINANCE

A survey of the field of government finance—national, state and local. Trends and purposes in governmental income and expenditures; analysis of deficit financing, and taxation theory and practice; the relation of these aspects of finance to credit and price structures, business administration, and the business cycle as a factor in determining public policy. *Prerequisite: Economics 21-(22). Three semester hours.*



#### (47).—MONEY AND BANKING

An examination of the role of money and credit in a system of private enterprise under varying degrees of public supervision and control. An analysis and appraisal of monetary and financial policies and practices. *Prerequisite: Economics 21-(22). Three semester hours.*

#### (48).—FOREIGN TRADE

A study of the relation of international trade to national welfare with an evaluation of national policies of the past and present. The mechanism in international trade, including the mercantile and banking policies and institutions. National controls as an instrument of national policy, including tariffs, exchange regulations, quotas, and suggested implementations under the United Nations Organization. *Prerequisite: Economics 21-(22). Three semester hours.*

#### 50.—MONOPOLY AND PUBLIC POLICY

A critical examination of the institutions of private property, individualism, and competition, with special emphasis on the development of imperfect competition and monopoly; the nature, the purpose, and the evolution of legislation designed to meet the emerging problems. *Prerequisite: Economics 21-(22). To be given 1955-56. Two semester hours.*

#### 51.—ECONOMIC PROBLEMS

The critical analyses of several special problems arising out of current issues, such as economic nationalism, a defense economy, unemployment and public works, federal aid or control involving agriculture, business and price structures. *Prerequisite: Economics 21-(22). Two semester hours.*

#### (52).—ECONOMIC BASES OF U. S. FOREIGN POLICY

History and status of our foreign policy in relation to foreign trade, the quest for natural resources, protection of national interests; private and public international debts; isolationism vs. internationalism. *Prerequisite: Economics 21-(22). Three semester hours.*

#### 53.—LABOR PROBLEMS

The status of the worker within the changing economic system of the United States of America; wage trends and standards of living; employer-employee relationships under unorganized labor conditions and under collective bargaining; the nature and extent of unemployment, and the role of government in this and other fields of labor relationships. *Prerequisite: Economics 21-(22). Three semester hours.*

#### 61.—ACCOUNTING IN ECONOMIC ANALYSIS

A consideration of the use of financial data in the field of economics. This will include national income, consumer choices and economic and business planning, at an intermediate level of analysis. *Prerequisite: Economics 21-(22) and 29-(30). Three semester hours.*

#### 71.—ECONOMIC HISTORY OF THE UNITED STATES OF AMERICA

A survey of the development of agriculture, industry and commerce, transportation and banking, in the the U. S. A., as an evolving economy. *Prerequisite: Economics 21-(22). Three semester hours.*



## (72).—ECONOMIC HISTORY OF EUROPE

A course similar to Economics 71, but dealing with Great Britain, France, Germany, Italy, Russia and Sweden. *Prerequisite: Economics 21-(22). Three semester hours.*

## †74.—ECONOMIC THOUGHT

A critical examination of the great classical and neo-classical writers and their critics, with an attempt at synthesis and evaluation as a component part of economic theory. *Prerequisite: Economics 21-(22). Three semester hours.*

## †(75).—BUSINESS CYCLES

The relationships between industries, between government and business, and between national economic systems are surveyed for the purpose of showing the integral character of trade cycles, and illustrating current business cycle theories. The fundamental forces underlying fluctuations in business are examined with a view to understand the causes thereof, and to evaluate devices used to direct the operation of these forces. *Prerequisite: Economics 21-(22). Two semester hours.*

## †(76).—CONTEMPORARY ECONOMIC SYSTEMS

A comparative study and evaluation of recent experiments and trends in economic organization in the United States of America, England, Germany, Italy, Russia and Sweden. *Prerequisite: Economics 21-(22). To be given 1955-56. Three semester hours.*

## †91, (92).—SPECIAL PROBLEMS

Investigation of assigned problems to give acquaintance with methods of research and presentation of data. *Prerequisite: Economics 21-(22); Consent of Department. One semester hour.*

## †95, (96).—SEMINAR

A reading and conference course for advanced and honor students. *Prerequisite: Economics 21-(22). To be given each semester. Two semester hours.*

† Courses indicated may be elected only with written consent of instructor.

NOTE: Students who plan to make Economics their major field of study should arrange to take Economics 21-(22) as early as possible, preferably in their Sophomore year in order to avoid election difficulties later. They should elect Accounting 29-(30) not later than the Junior year.

Major Requirements: 30 hours including 29-(30), 21-(22) and 74.

Minor Requirements: 18 hours including 21-(22).

## EDUCATION AND PSYCHOLOGY

PROFESSORS THOMPSON AND MCCULLOUGH

ASSOCIATE PROFESSORS JAMES, GRAFFAM, AND FINCK

ASSISTANT PROFESSOR WANNER AND MR. SHOAF

The Department of Education offers undergraduate courses leading to the Provisional Secondary Teachers' Certificates. The Department attempts to offer the proper courses for certification in the states of Penn-



sylvania, New Jersey, Maryland and Delaware. The Department conceives as its dual function the preparation of teachers and the offering of certain courses in Education for the completion of the liberal arts requirement. A student who plans to teach in the secondary schools should have a conference with the Chairman of the Department before the sophomore year.

The courses offered in Psychology are of a general and introductory character and are designed to lay the foundation upon which the student may build a career in Psychology after graduate study, rather than to prepare for a specific vocation upon graduation from college.

### *Education*

#### 21 or (21).—INTRODUCTION TO EDUCATION

This course performs the two-fold function of a general introduction to the field of education and a systematic analysis of the basic principles involved in a constructive theory of education—aims, values, agencies, the curriculum, organization, practice—serviceable to the citizen and the teacher. Text, supplementary lectures, assigned readings. *Three semester hours.*

#### 31 or (31).—EDUCATIONAL PSYCHOLOGY

An introductory course in the principles of psychology which relate to the problems of education, such as those which arise in connection with the curriculum, methods of learning and teaching, and classification. Emphasis is laid upon the results of scientific study. Open to sophomores, juniors or seniors who plan to teach. *Prerequisite: Psychology 11-(12). Three semester hours.*

#### 33 or (33).—PRINCIPLES OF TEACHING IN THE SECONDARY SCHOOL

This course is designed to acquaint the student with the best philosophic and scientific data in the solution of problems confronting the classroom teacher, with particular reference to the high school. Stress is laid upon the various types of learning and teaching, methods of organization and control, and the development of an effective classroom technique. *Open to juniors and seniors who plan to teach. Prerequisite: Education 31 or (31). Three semester hours.*

#### 35 or (35).—HISTORY AND PHILOSOPHY OF EDUCATION

Education as a social agency, with a background of the general history of civilization, constitutes the point of view of this course. *Three semester hours.*

#### 39 or (39).—CURRICULUM

The curriculums of junior and senior high schools form the basis of this course, with particular attention to the subject-matter of the student's field of concentration. The contributions of educational philosophy, psychology, sociology, and history to a progressive adjustment in academic, cultural, and technical courses of study are evaluated, with stress on course construction and revision. *Open to juniors or seniors who plan to teach. Three semester hours.*

#### 43 or (43).—EDUCATIONAL MEASUREMENT

An introductory course seeking to interpret the general principles of educational measurement, with emphasis on such topics as: significance of the modern test



movement; uses and abuses of tests; types of tests and scales; their validity; principles of selection and design; techniques of administering and scoring, tabulating and interpreting results. *Prerequisite: Education 31 or (31). Two semester hours.*

#### 47 or (47).—SPECIAL METHODS

Special methods of teaching as applied to the specialized fields for which the student is preparing. Whenever possible the course is given by a member of the department in which the student has his major. *To be elected along with Education 33 or (33). Open to juniors. One semester hour.*

#### 51 or (51).—VISUAL AND SENSORY TECHNIQUES

A study of the visual and sensory techniques currently used in classroom procedure. *One semester hour.*

#### 61-(62).—SUPERVISED PRACTICE TEACHING

Permission to elect this course must be secured from the head of the department and will depend upon scholastic attainment, professional interest in teaching, evidence of a superior teaching personality in the student, and the opportunities available for this work in the nearby high schools. The College will endeavor to make convenient arrangements for the student who meets the requirements for practice teaching, but travel involved and hours of work are primarily the responsibility of the student. *A laboratory fee of \$25 is charged for work in this course. Open only to approved seniors. Prerequisite: Education 33 or (33) and Education 47 or (47). Six semester hours.*

NOTE: This department does not offer a major or minor in Education. The student preparing to teach completes his major and minor in another department of the College.

### *Psychology*

#### 11-(12).—BRIEF INTRODUCTION TO GENERAL PSYCHOLOGY

*This course is a prerequisite to all other courses offered in psychology. Six semester hours.*

#### 15 or (15).—LEARNING

This course will attempt to examine the theories of learning and to demonstrate by experiment the basic principles underlying these theories. It is expected that observation and experimentation in this area will contribute to broader aspects of psychological theory and will provide a framework for answering many practical problems of learning. *In alternate years; to be given 1954-55. Three semester hours.*

#### 16 or (16).—SENSATION AND PERCEPTION

This course will attempt to examine the way in which the organism comes into contact with and interprets its environments. It is expected that study and experimentation in this area will contribute to broader aspects of psychological theory and will provide a framework for the solution of many practical problems in the fields of sensation and perception, i.e., reading, color, language, and in its broader aspects, social development. *In alternate years; to be given 1955-56. Three semester hours.*



## 21-(22).—PSYCHOLOGICAL LABORATORY

An introductory course in Experimental Psychology, designed to acquaint the student with the method of determining the more elementary facts of human behavior. Exercises in Sensation, Attention, Perception, Memory, Affection, and Motor Processes. *Eight hours, counting as four semester hours.*

## 33 or (33).—PERSONALITY

A study of the origins and development of personality and of the methods used to measure it. The purpose of this course is to enable the student to construct for himself a wholesome view of mental life. It should help one to avoid pathological deviations for himself and to recognize such unwholesome conditions when he meets them in other people. *Three semester hours.*

## 41 or (41).—SOCIAL PSYCHOLOGY

A study of the principles of psychology as they are related to the problems of society. The point of attack on these problems is psychological, and the interpretation is in terms of the latest scientific viewpoints in psychology. *In alternate years; to be given 1954-55 Three semester hours.*

## 43 or (43).—APPLIED PSYCHOLOGY

Lectures and experiments illustrating the applications of psychology to the day-to-day situations which accompany human relations in such areas as business, industry, and professional pursuits. *Three semester hours.*

## 45 or (45).—CHILD PSYCHOLOGY

An introduction to the study of the essentials of child life, together with the psychological principles involved. *Three semester hours.*

## 47 or (47).—ADOLESCENT PSYCHOLOGY

Detailed study of the characteristics of adolescence with emphasis on the genetic development of the individual and an interpretation of the special problems of youth in psychological terms. *Three semester hours.*

## 59, (60).—PSYCHOLOGICAL MEASUREMENT

A review of the psychological measurement movement, together with a study of the techniques of test building and analyses of outstanding tests; demonstrations, lecture, and supervised practical experience in the administration and interpretation of individual and group psychological tests. *Two or four semester hours.*

## 61 or (61).—SYSTEMATIC PSYCHOLOGY

An examination of the various viewpoints in psychology. Detailed study of psychological terms, methods, and the philosophical implications of the various schools of psychology. *In alternate years; to be given 1954-55. Three semester hours.*

## 63 or (63).—HISTORY OF PSYCHOLOGY

A study of the development of scientific psychology during the last hundred years with a survey of the backgrounds in philosophical psychology. The purpose of this course is to acquaint the student with the constantly widening range of the experimental and quantitative methods with the emphasis upon the results of research as opposed to the progress of psychological theory. *In alternate years; to be given 1954-55. Three semester hours.*



## 65 or (65).—ABNORMAL PSYCHOLOGY

An introduction to the field of abnormal psychology designed for the advanced undergraduate. The facts presented are valuable as background for medical students and for those who contemplate social and educational work. *Open to juniors and seniors who are psychology majors, minors, and pre-medical students. In alternate years; to be given 1955-56. Three semester hours.*

Major: 24 semester hours in departmental course work, including Psychology 11-(12), 21-(22), 61 and 63.

Minor: 18 semester hours in departmental course work.

## ENGLISH

PROFESSORS SLOANE AND NESS

ASSOCIATE PROFESSORS SCHECTER, HORLACHER,\* WARLOW,  
AND BOWDEN

ASSISTANT PROFESSOR DAVIS  
MESSRS. MCGILL, SMITH, ROPER, AND HINKLE

Students who major in English become lawyers, ministers, government officials, librarians, bankers, writers and editors, housewives, teachers, and businessmen. The reason for this diversity may be that all English courses deal with the art of communication—with people, their actions, their thoughts, and their words. The department offers studies in reading, writing, speaking, and dramatics. The language and literature of the Anglo-American tradition are studied historically, by types, and in comparison with other arts and literatures. English majors should therefore take courses in art, music, philosophy and religion, history, and classical and modern foreign languages and literatures; they should acquaint themselves with the best that has been thought and said and done in the world. In various ways superior students are enabled and encouraged to do advanced, independent work.

## 1-(2).—ENGLISH COMPOSITION

A study of the principles of grammar and rhetoric necessary for clear and vigorous written English. A weekly theme provides practice in the various kinds of expository writing. In the second semester the student is introduced to the study of literature. *Required of all freshmen; but with the consent of the Chairman of the Department and of the Director of Admissions, exceptionally well prepared students may be excused from English 1. This course is a prerequisite to all other courses in the department. Six semester hours.*

## 11-(12).—A SURVEY OF ENGLISH LITERATURE

The growth of literary types and values against the background of history, from earliest times to the present. Intensive classroom study of the greater Eng-

\* Leave of absence 1953-54.



lish poets, prose-writers, and dramatists, especially Chaucer, Spenser, Shakespeare, Milton, Pope, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold. *This course should be elected in the sophomore year by all students contemplating further work in English. Six semester hours.*

#### 15, (16).—THE ENGLISH NOVEL

The development of the English novel from the late 16th to the early 20th century, with emphasis on the major novelists. Collateral readings and reports. First semester: Defoe to Thackeray and Trollope. Second semester: The Brontës to Conrad, Bennett, and Wells. *Two or four semester hours.*

#### 17.—ENGLISH DRAMA

The development of English drama from the liturgical play to the late 18th century comedy of manners. *Three semester hours.*

#### (18).—MODERN DRAMA

The contemporary theatre, with some attention to the influence of European writers since Ibsen upon modern playwriting and stagecraft. *Three semester hours.*

#### 19, (20).—PLAY PRODUCTION

First semester: A laboratory course in acting, with a study of the principles and theories of acting combined with practical exercises. Second semester: A laboratory in technical production, with emphasis on class and individual projects in the various aspects of stagecraft. *Five or ten hours counting as three or six semester hours.*

#### \*23, (24).—ARGUMENTATION AND DEBATE

First semester: The psychology and techniques of persuasive speaking; emphasis on the preparation and delivery of persuasive speeches. Second semester: The theory of formal debating; emphasis on participation in classroom debates. *Three or six semester hours.*

#### 25.—ADVANCED COMPOSITION

An advanced course in the techniques of practical writing. Special attention is given to the development of ideas and their critical appraisal through exposition. *Required in the junior year of all students taking the combined College-Law School program. Three semester hours.*

#### 33.—PUBLIC SPEAKING

The theory of and practice in the fundamentals of public speaking. *Open only to juniors and seniors. Sections limited to 15. Two semester hours.*

#### 35.—THE HISTORY AND STRUCTURE OF THE ENGLISH LANGUAGE

The origins and growth of the English language from the earliest times to the present. Advanced English grammar. An introduction to semantics. *Intended for language students and those preparing to teach English. Three semester hours.*

#### 37, (38).—WORLD LITERATURE

Readings from a selected group of literary masterpieces of particular significance to Western culture. Lectures by various members of the Faculty. *Prerequisite: English 11-(12). Three or six semester hours.*



## 41-(42).—SHAKESPEARE

First semester: Comedies and tragedies. The works of Shakespeare's apprenticeship and early maturity, with emphasis on Shakespearean stagecraft. Second semester: Tragedies and romances. A study of Shakespeare's later work, especially *Hamlet*, *Othello*, *King Lear*, *Anthony and Cleopatra*, *The Winter's Tale*, and *The Tempest*. *Open only to juniors and seniors. Six semester hours.*

## 44.—CHAUCER

A study of Chaucer and his century, with emphasis on *The Canterbury Tales* and *Troilus and Criseyde*. *Prerequisite: English 11-(12). Three semester hours.*

## 45-(46).—A SURVEY OF AMERICAN LITERATURE

Literary trends in America from Puritan times to the present, with emphasis on the major 19th and 20th century writers. *Prerequisite: English 11-(12). Six semester hours.*

## 49.—REPRESENTATIVE AMERICAN WRITERS

Subject for study in 1953-54: American drama as a reflection of the cultural development of the United States. Subject for study in 1954-55: Major American novelists (Hawthorne, Melville, Twain, and James). Subject for study in 1955-56: Major American poets (Poe, Emerson, Whitman, and Emily Dickinson). *Prerequisite: English 45-(46). Three semester hours.*

## 51.—ADVANCED PUBLIC SPEAKING

A continuation of English 33, with emphasis on speech composition. *Prerequisite: English 33. Two semester hours.*

## 53-(54).—ENGLISH LITERATURE OF THE 17TH CENTURY

First semester: A study of the important poets and prose-writers from the age of Donne and Jonson to the Restoration, with outside readings in the literature of the period. Second semester: A detailed study of the poetry and prose of John Milton. *Prerequisite: English 11-(12). Six semester hours.*

## \*57, (58).—ENGLISH LITERATURE OF THE 18TH CENTURY

Representative English writers and tendencies of the neo-classical period. First semester: The Augustan period, with emphasis on Dryden, Swift, and Pope. Second semester: The age of Johnson. *Prerequisite: English 11-(12). Alternates with English \*61, (62). To be offered 1954-55. Three or six semester hours.*

## \*61, (62).—ENGLISH LITERATURE OF THE 19TH CENTURY

First semester: The major writers of the Romantic period. Second semester: The major writers of the Victorian period. *Prerequisite: English 11-(12). Alternates with English \*57, (58). Three or six semester hours.*

## 67.—TWENTIETH CENTURY FICTION

The reading of a selected group of present-day novels representative of English, American, and Continental literary trends. *Not open to sophomores except with permission of the instructor. It is recommended that this course be preceded by at least one semester's study of the English novel. Three semester hours.*



## (70).—TWENTIETH CENTURY AMERICAN AND BRITISH POETRY

Major British and American poets and poetic trends in the 20th century, with emphasis on the longer works of such poets as Sandburg, Robinson, Frost, Jeffers, Yeats, Eliot, and Auden. *Open only to juniors and seniors. Three semester hours.*

## 81, (82).—CREATIVE WRITING

An examination of the writer's art and the student's own composition. Classroom discussion and individual conferences. Experience with writing and criticizing various forms of prose, especially short fiction and drama, and some poetry. *Not open to sophomores except those with a grade of B or better in English 1-(2). Three or six semester hours.*

## 91-(92).—LITERARY CRITICISM

An introduction to the works of the major critics. The course is a seminar for discussion of the great critics from Plato to T. S. Eliot. Each student undertakes a project in original criticism. *Open only to students with an accumulative average of 2.75 or better. Prerequisite: English 11-(12). Six semester hours.*

## \*95, (96).—SEMINAR

Special problems in the study of literature. Individual research projects. *Open only to seniors majoring in English who have an accumulative average in English of 2.75 or better. Required of all students who are studying for departmental honors in English. Three or six semester hours.*

NOTE: English 1-(2) is a prerequisite to all other courses in the department. It does not count toward a major or minor.

Major: 30 semester hours in departmental course work (that is, work beyond the Freshman Composition level), including 24 hours in literature courses. Majors must elect 11-(12), 41-(42), and at least six hours from the following group: 44; 45-(46); 53-(54); \*57, (58); and \*61, (62). Students who hope to receive departmental honors must elect \*95, (96).

Minor: 18 semester hours in departmental course work (that is, work beyond the Freshman Composition level), including 15 hours in literature courses. Minors must elect 11-(12) and at least six hours from the following group: 41-(42); 44; 45-(46); 53-(54); \*57, (58); and \*61, (62).

## FINE ARTS

## ASSOCIATE PROFESSORS FLOWER AND SELLERS

History of Art courses are designed to aid students in an appreciation of the fine arts, and in seeing each art as a reflection of the humanistic ideals of its period in civilization. Art exhibits are held regularly in the gallery in Bosler Hall. Visiting artists meet informally from time to time with the art classes to discuss professional problems and theory in contemporary art.



## 31-(32).—HISTORY OF ART

A general survey course of both major and minor fields of art. This course serves as an introduction to more intensive study in any one field, and endeavors to acquaint the student with all phases of the subject. *Six semester hours.*

## 41, (42).—HISTORY OF ARCHITECTURE

A chronological history of architecture with stress laid upon Greek, Roman, Byzantine, Romanesque and Gothic structure, form and function. The second semester, beginning with the Renaissance treats this style through the Baroque and Rococco, after which developments of new Nineteenth Century forms are studied, leading to contemporary building. *Open only to juniors and seniors. Alternates with 43 and (44). Three or six semester hours.*

## 43.—RENAISSANCE PAINTING

A course in the history and appreciation of painting. A one-semester course, the technique and development of this art is studied beginning with the Italian Renaissance and terminating with the neo-classicists of the late 18th century. *Open only to juniors and seniors. To be given 1955-56. Three semester hours.*

## (44).—MODERN ART

A study of the influences on modern art beginning with the Impressionist Movement in painting and continuing to the present. Attention is also given to contemporary sculpture. *Open only to juniors and seniors. To be given 1955-56. Three semester hours.*

## 45-(46).—AMERICAN ART

The history of painting, engraving, sculpture and architecture in the United States, with particular emphasis on popularization through print-making techniques and illustration. *Six semester hours.*

## GEOLOGY

## ASSOCIATE PROFESSOR EMBICK

Although the Department of Geology does not provide a major, its course offerings are designed to give a comprehensive view of the principal areas of the science of geology and experience in the fundamentals of geological investigation. The object of the department is to supplement the scientific training available in the other natural-science curriculums as well as to provide a well-rounded program for students planning to proceed for graduate study in the field or to go directly into positions for which geological training is requisite. Through laboratory and field activities, the department takes advantage of the unusual geological resources available in the Cumberland valley and contiguous areas.

## 11-(12).—PHYSICAL GEOLOGY

Covers geological principles and external processes, including rock weathering and soils, river action and valley development, and glacial effects. Studied with a view to their application to the State of Pennsylvania. Internal processes and their effects are examined, along with earth movement in mountain building, faulting



and folding, and rift valley. *Limited to fifty students. Six semester hours; laboratory two semester hours.*

#### 21-(22).—HISTORICAL GEOLOGY

This course places emphasis on the Ordovician, Silurian, and Devonian series of strata surrounding Dickinson College, especially in Cumberland and Perry counties. The fundamentals of correlation by means of fossil faunas are taught by field and laboratory exercise. *Six semester hours.*

#### 23.—MINERALOGY

A course in descriptive mineralogy in which the various mineral groups are studied. Minerals of economic importance are stressed. *Two semester hours.*

#### (24).—MINERALOGY

A study of minerals with the determination of unknowns by the standard methods. The classification of minerals as chemical compounds and as rock builders is the chief aim of the course. *Two semester hours.*

#### 25 or (26).—INTRODUCTORY PALEONTOLOGY

This course takes up the chief taxonomic fossil groups with fossils of Pennsylvania Paleozoic formations being stressed. The purpose of the course is to familiarize the student with the fossil faunas of the State of Pennsylvania that he may determine for himself the age of the fossiliferous rocks within the state. *Counts toward a biology major. Two semester hours each.*

#### 31 or (32).—ECONOMIC GEOLOGY

This course covers a study of ores and ore deposits, and oil and coal fields largely in Pennsylvania. It is designed to give the student a clear understanding of phases of economic and geological mineral resources of the State. *Alternates with Geology 41, (42). To be given 1955-56. Two or four semester hours.*

#### 41-or (42).—PROBLEMS IN GEOLOGY

This course is an application of Historical Geology (21-[22]) and Paleontology (26) to scientific problems of stratigraphy and faunal succession; a seminar course in preparation for practical application in oil fields and general stratigraphic geology. *Two hours lecture and two hours laboratory (counting as one). Three or six semester hours.*

Minor: 18 semester hours in departmental work, including Geology 11-(12).

## HISTORY

PROFESSORS WING AND BELL \*

ASSOCIATE PROFESSORS PFLAUM AND KELLOGG

ASSISTANT PROFESSOR GATES AND MR. DAVIS

The studies in History are planned to serve three principal purposes: to inform the student of the principal events and developments in the

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\* Leave of absence 1953-54.



past that he may get an understanding of our present world with its roots in ages past; to present opportunities to obtain training in the techniques of research such as are used by lawyers, scientists, and workers in all advanced fields of study; to supplement the studies in other disciplines, such as English and Classical Literature, the Social Studies, and the humanities and natural sciences, to the end that a better conception is achieved of the relationship of human achievements and that some appreciation is attained of the significance of the varied activities of mankind.

#### 11-(12).—SURVEY OF WORLD HISTORY

The primary objective is to acquaint the student with the principal phases of human development in the Ancient and Mediaeval periods. Although the history of European civilization is emphasized, some attention is given to significant events in the history of the Western Hemisphere and Asia. Economic, social, and cultural phases are studied, as well as the political and military. Considerable emphasis is given to teaching the proper methods of historical study and investigation, and to developing habits of precision in knowledge and of tolerance in judgment. *Required for major or minor. Six semester hours.*

#### 13.—INTRODUCTION TO HUMAN GEOGRAPHY

After a brief survey of the general principles of geography, cartography, and climate, the course is concerned with the physical conditions under which men live, and their adjustment and development. *This course may be taken by any of the students in the college. Two semester hours.*

#### (14).—HISTORICAL GEOGRAPHY

After a brief discussion of the history of geographical discovery and of the development of geographical science, the course is concerned with the influences of geographical conditions upon historical developments, and the uses which historians make of geographical data to interpret historical events and trends. *Two semester hours.*

#### 17-(18).—AMERICAN HISTORY: 1492 TO DATE

The history of European discovery and settlement in the Western Hemisphere is followed by an intensive study of the colonial and national periods of the region now known as the United States. Only incidental attention is given to the development of Canada and Latin America. *Required for major or minor in History. Six semester hours.*

#### 21, (22).—HELLENIC HISTORY

A study of the Greek people from 1100 B.C. to the Roman era. Emphasis is placed on the development and achievements of the Hellenes in the fifth and fourth centuries before Christ. The Aegean World is treated briefly as an introduction to the history of the Hellenes. Some attention is also given to the spread of Hellenic ideas and their adaptation in the period following the death of Alexander. *Alternates with History 23, 24. To be given 1954-55. Three or six semester hours.*



## 23, (24).—ROMAN HISTORY

A study of the development of the Roman people from 1100 B.C. to 400 A.D. The history of the period from 200 B.C. to 200 A.D. is emphasized. Attention is given not only to the military and political developments of the Roman Empire but also to the characteristic products of Roman civilization. *Alternates with History 21, (22). To be given 1955-56. Three or six semester hours.*

## 39.—UNITED STATES HISTORY: 1789 TO DATE

*A brief course for those who do not enroll in History 17-(18). Emphasis is placed on the major political and economic events and movements. Open to juniors and seniors. Three semester hours.*

## 43.—ENGLISH HISTORY: 55 B.C. TO 1660 A.D.

A study of the contributions to England by the Romans, Saxons, and Normans. Emphasis is placed on the foundations of national unity and the formations of a united English nation. Attention is given to the cultural, social, and economic phases of the period. *Three semester hours.*

## (46).—ENGLISH HISTORY: 1660 TO DATE

Emphasis is placed on the expansion of England and the motives for the acquisition of the British Empire. Attention is given to the study of the English side of the American Revolution, the Industrial Revolution, the reform movements in England, and the growth of democracy. *Three semester hours.*

## 47.—AMERICAN COLONIAL HISTORY

A survey of English America from 1607 to 1789. The course covers the discoveries and settlements by the English in the 16th and 17th centuries, the growing maturity of the colonies in the 18th century, the problems of imperial control after 1763, and the emergence of a national character in the period of the American Revolution. *Open to juniors and seniors. Three semester hours.*

## (48).—HISTORY OF PENNSYLVANIA

The political, economic, and social development of the Commonwealth from the first settlements by the Swedes to the present time. Special emphasis is placed on the Quaker background and the Holy Experiment, the racial elements in colonial Pennsylvania, and the cultural pre-eminence of Philadelphia in the 18th century, the westward movement, the industrialization of the state, and the dominance of the Republican Party. *Open to juniors and seniors. Three semester hours.*

## 49.—AMERICAN CULTURAL HISTORY

An intensive study of American cultural achievements, including arts, letters, sciences. In 1952-53 the period discussed was the Age of the Enlightenment, especially the interrelations of the American, English, and Continental cultural centers. *Open to juniors and seniors. Three semester hours.*

## 55.—RECENT AMERICAN HISTORY: 1900 TO DATE

After a brief review of the history of the United States in the period between the Spanish-American War and World War I, the work of the course is devoted to an analysis of the development of the American nation in the more recent period. Emphasis is given to economic and social developments as well as to



political and military. Some attention is paid to cultural, scientific, and religious trends. *Open to juniors and seniors. Three semester hours.*

#### (56).—HISTORY OF LATIN AMERICA

The principal topics included are: exploration and colonization of the New World by the Spanish and Portuguese, administrative policies, wars of independence, history of the Latin Nations in the Western Hemisphere during the nineteenth century, establishment of the Pan-American Union, relations of Latin America with the United States and with Europe. *Three semester hours.*

#### 57.—HISTORY OF THOUGHT IN ANCIENT AND MEDIAEVAL TIMES

This course deals with intellectual history. It includes: primitive ideas of thinking, science, and magic among the oriental peoples; the development of classical civilization; evolution of scientific ideas from the time of Aristotle to that of Marcus Aurelius; rise of new ideas under the influence of the Roman Empire, the Germanic peoples, and the Christian Church; the achievements in science and thought among the Saracens and the other peoples of Asia; and the trend in the late Middle Ages toward freedom of thinking. Prerequisite: a course in World History or an Experimental Natural Science. *Open to juniors and seniors. To be given 1954-55. Two semester hours.*

#### (58).—HISTORY OF SCIENCE IN MODERN TIMES

Three main objectives are considered: the increasing scientific information; the development of scientific principles and interpretation; the correlation of scientific ideas with the life of the general population. Prerequisite: *A course in World History or an Experimental Natural Science. Open to juniors and seniors. To be given 1954-55. Two semester hours.*

#### 61, (62).—MODERN EUROPEAN HISTORY

The work of the first semester covers the period 1500-1815; it includes the later phases of the Renaissance, the widening interests of Europeans in science and discovery, the break with authority in the Protestant Reformation and in the economic, social, and political revolutions of the eighteenth century. The work of the second semester covers the period 1815-1914; it includes the national movements and the economic, social, and cultural developments both in Europe and in the area of European imperial systems. It continues the study of History 11-(12) and is continued in History 75. *Three or six semester hours.*

#### 71.—FRENCH REVOLUTION AND NAPOLEON: 1789-1815

This course is intended to interpret the French Revolution in its national and European setting, to present the principal events of the period and of the Napoleonic Era, and to analyze the significance of the European adjustments in the Congress of Vienna. *Open to juniors and seniors. Alternates with History 73. To be given 1954-55. Three semester hours.*

#### 73.—HISTORY OF RUSSIA AND ITS NEIGHBORS

The work of the course is devoted to the history of the Slavic peoples of Eastern and Central Europe and their neighbors, in the period 400-1894 A.D. *Open to juniors and seniors. Alternates with History 71. To be given 1955-56. Three semester hours.*



**(74).—HISTORY OF RUSSIA AND ITS NEIGHBORS**

The work of the semester is devoted to the history of the Slavic peoples of Central and Eastern Europe and their neighbors, in the period 1894-1952. Special attention is directed to the study of the history and institutions of the Soviet Union. *Open to juniors and seniors. Three semester hours.*

**75, (76).—WORLD WAR II**

The work of the first semester is devoted mainly to the European phases of the war. A careful study is made of the history of Europe from the outbreak of World War I to December, 1941, of the efforts that were made to insure peace, and of the problems and trends that led to the Second World War. The work of the second semester continues the study of World War II with special emphasis on the participation of the United States and Japan to the surrender of both Germany and Japan in 1945. The history of the Americas and of the Middle and Far East from 1914 to the present time is studied in some detail, together with the earlier history and conditions that made the conflict inevitable. A special study is made of the efforts and methods to insure a just and durable peace. *Open to juniors and seniors. Three or six semester hours.*

**81.—DIPLOMATIC HISTORY OF THE UNITED STATES: 1778 TO DATE**

A study of the diplomacy of the American Revolution and of the leading American treaties and conventions to which the United States has been a party. The main emphasis is placed on geography and map studies, and the manner in which the United States has expanded. Some study is made of biography. *To be given in 1955-56. Three semester hours.*

**(82).—SOCIAL HISTORY OF THE UNITED STATES: 1790-1840**

From diaries and journals of travel. The main topics taken up are religion, education, roads and inns, amusements, towns and cities, health, food and diet. *Open to juniors and seniors. To be given in 1955-56. Two semester hours.*

**83.—HISTORY OF THE NEAR EAST**

After a survey of the history of Southeastern Europe and of Southern and Southwestern Asia in the period from 395 to 1500, special attention is given to the relations of the Ottoman Empire and other peoples of the Moslem world to the European powers in the modern era. *Open to sophomores, juniors, and seniors. Alternates with History 85. To be given 1954-55. Two semester hours.*

**(84).—HISTORY OF MEDIAEVAL AND MODERN INDIA**

After a survey of the Hindu and Moslem periods of Indian History preceding the British conquests, the work of the course is concerned principally with the history of India and its relations with the British Empire in the past 200 years. Attention is given to the part India took in the two World-Wars and to the problems of the post war era. *Open to sophomores, juniors, and seniors. Alternates with History (86). To be given 1954-55. Two semester hours.*

**85, (86).—HISTORY OF THE FAR EAST**

In the first semester a study is made of the origins and historical development of the peoples of Eastern Asia and of the Southwestern Pacific from earliest times to the moment that they were drawn into the sphere of European and American interests. Attention is given to social, cultural, and religious trends, as



well as to the narrative of events. The second semester is devoted to the history of the Far East in the past one hundred and twenty-five years and to the problems of this region in relation to the rest of the world. *Open to juniors and seniors. Alternates with History 83, (84). To be given 1955-56. Two or four semester hours.*

### 87.—AMERICAN CONSTITUTIONAL HISTORY

A study of the process by which the American Federal Constitution was founded and a narrative account of its historical development with emphasis on the forces that brought about changes and on the evolving interpretations of the constitution by the courts. *Open to juniors and seniors. To be given 1955-56. Three semester hours.*

### (88).—AMERICAN HISTORY IN THE CIVIL WAR PERIOD

A study of the middle period of American History from 1840 to 1880 with special reference to the Civil War. *Open to juniors and seniors. Three semester hours.*

### \*91, (92).—HISTORY SEMINAR

The work of the first semester is devoted to instruction in the technique of historical research and forms an introduction to graduate studies. This may be taken separately. The work of the second semester is devoted to special problems. *The course is open to approved Seniors. Two or four semester hours.*

Major: 30 semester hours, including History 11-(12), 17-(18), 61, 62, 75, and (76).

Minor: 18 semester hours, including History 11-(12) and 17-(18).

## LAW

The pre-legal student may adopt a combined College-Law program in association with the Dickinson School of Law. A detailed description of this program appears on page 49.

## MATHEMATICS

PROFESSOR AYRES

ASSOCIATE PROFESSORS KUEBLER AND NELSON \*

ASSISTANT PROFESSOR HAMMETT

Mathematics is generally regarded as one of the best preparations for those professions which require accuracy and precise reasoning. Calculus and Statistics are basic for serious advanced work in Economics, Psychology, Sociology, and the Biological Sciences; Calculus and Differential Equations are basic for advanced work in the Physical Sciences. A major in Mathematics may use his knowledge in engineering, in actuarial work, in civil service employment of various kinds, in industrial and business positions, in statistical work, and in teaching mathematics in the secondary schools and colleges.

\* Leave of absence 1953-54.



**3-(4).—INTRODUCTION TO MATHEMATICAL ANALYSIS**

A course combining algebra, trigonometry, and analytical geometry. *Designed for students who will continue in mathematics. Ten semester hours.*

**9-(10).—GENERAL MATHEMATICS**

A study of linear, quadratic, power, exponential, logarithmic, and trigonometric functions; simple and compound interest; empirical equations; elements of statistics. *Designed primarily as a terminal course. Six semester hours.*

**21-(22).—CALCULUS I, II**

The standard formulas of differentiation and integration with applications. *Prerequisite: Mathematics 3-(4). Six semester hours.*

**23-(24).—STATISTICS**

Introduction to standard methods of statistical analysis: measure of central tendency and dispersion, proportions, estimation and testing hypotheses, regression and correlation, chi-square tests, analysis of variance, index numbers and time series. *Not open to freshmen. Six semester hours.*

**31.—CALCULUS III**

A continuation of Mathematics 21-(22): improper integrals, series, partial differentiation, double and triple integrals with applications. *Three semester hours.*

**(32).—DIFFERENTIAL EQUATIONS**

A study of ordinary differential equations of the first and second orders, and linear equations of higher orders with applications. *Prerequisite: Mathematics 21-(22). Three semester hours.*

**41.—ANALYTICAL GEOMETRY OF SPACE**

A study of the plane and the quadric surfaces. *Prerequisites: Mathematics 21-(22). Three semester hours.*

**51.—PROJECTIVE GEOMETRY**

A synthetic treatment of projection, section, perspectivities, projectivities, involutions, point and line conics. *Open to juniors and seniors with credit in Mathematics 3-(4). To be given 1954-55. Three semester hours.*

**(52).—INTRODUCTION TO MODERN ALGEBRA**

A continuation of Mathematics 3-(4), with attention to the modern theories of algebra. *Open to juniors and seniors. To be given 1954-55. Three semester hours.*

**(54).—THEORY OF EQUATIONS**

A continuation of Mathematics 3-(4), with particular attention to the solution of equations. *Prerequisite: Mathematics 21-(22). To be offered 1953-54. Three semester hours.*

NOTE: The mathematics requirement for the degree of Bachelor of Science may be satisfied by Mathematics 3-(4), or Mathematics 9-(10).

Major: 24 semester hours, including Mathematics 31 and (32), from courses numbered above 10.

Minor: 12 semester hours from courses numbered above 10.



## MILITARY SCIENCE AND TACTICS

PMS&amp;T: LIEUTENANT COLONEL DANIEL W. RACHAL

ASST. PMS&Ts: CAPTAIN WILLIAM C. KENNEDY AND  
CAPTAIN HARVERD L. NEVENZELENLISTED INSTRUCTORS: MASTER SERGEANTS STREET, JORDAN, EURICH;  
SERGEANT FIRST CLASS BAYNES

## 1-(2).—MILITARY SCIENCE I

Organization of the Army and ROTC; American military history; individual weapons and marksmanship; school of the soldier. *\*Two hours per semester.*

## 10-(11).—MILITARY SCIENCE II

Crew-served weapons; map reading and aerial photography; school of the soldier. *\*Two hours per semester.*

## 20-(21).—MILITARY SCIENCE III

Small unit tactics and communication; organization, functions, and missions of the arms and services; military teaching methods (first aid and military sanitation; marksmanship); leadership; school of the soldier and exercise of command. *\*Three hours per semester.*

## 30-(31).—MILITARY SCIENCE IV

Logistics (supply and evacuation, troop movements, motor transportation); operations (command and staff, estimate of the situation and combat orders, the military team, training management); personnel management (military administration, military justice); service orientation (role of the United States in world affairs and the present world situation, leadership, officer indoctrination); exercise of command. *\*Three hours per semester.*

Enrollees successfully completing MS III will attend camp for six weeks under direct Army supervision during the summer between the junior and senior years. (For additional information on ROTC, see page 51.)

\* In addition to an average of two hours of classroom work per week for MS I and MS II, and an average of four hours for MS III and MS IV, students enrolled in the Military Science Program will be expected to participate in such outside drill exercises as are prescribed. This will average two hours per week for all classes.

## MODERN LANGUAGES AND LITERATURES

PROFESSORS GRIMM, TAINTOR, AND SANDELS

ASSOCIATE PROFESSORS WEIGEL, MAURINO, KENNEDY, AND KIRK

ASSISTANT PROFESSORS RAMOS AND TREASE

The courses in Modern Languages are designed to provide a well-balanced training in the language and literature for those who elect a major or minor in the Department. Those who do not wish to meet the requirements for a major or minor may elect any courses for which



they have the prerequisites as stated in the description of the courses. Work in the Language Laboratory is required for the 31, (32) and 41, (42) courses, and is strongly recommended for the other courses.

### *French*

#### 1-(2).—ELEMENTARY FRENCH

Thorough drill in grammar. Special attention given to pronunciation and oral work. Composition. Readings of increasing difficulty. *Eight semester hours.*

#### 11-(12).—INTERMEDIATE FRENCH

Grammar review. Reading and composition. Emphasis on oral work. *Prerequisite: French 1-(2), or the equivalent. Eight semester hours.*

#### 13 or (14).—READING COURSE

*Required of all students who have failed to pass the Modern Language Reading Examination in French. No credit.*

#### 31, (32).—FRENCH CONVERSATION AND COMPOSITION

The chief aim of this course is to teach the student to speak and understand the language. Pronunciation is taught and corrected by phonetic transcription. Grammar review and composition. Course conducted partly in French. *Prerequisite: French 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

#### 33, (34).—SURVEY OF FRENCH LITERATURE

Rapid reading of masterpieces of French literature. *Prerequisite: French 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

#### 41, (42).—ADVANCED FRENCH CONVERSATION AND COMPOSITION

A continuation of French 31, (32). Course conducted in French. *Prerequisite: French 32, or the equivalent, with a grade of at least C. Three or six semester hours.*

#### 51, (52).—FRENCH LITERATURE OF THE SEVENTEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. To be offered 1955-56. Three or six semester hours.*

#### 53, (54).—FRENCH LITERATURE OF THE EIGHTEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. Three or six semester hours.*

#### 55, (56).—FRENCH LITERATURE OF THE NINETEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. Three or six semester hours.*



## 57, (58).—FRENCH LITERATURE FROM 1900 TO THE PRESENT

Reading and discussion of representative works of the important writers of the period. Collateral readings and reports. *Prerequisite: French 34, or the equivalent, with a grade of at least C. To be offered 1955-56. Three or six semester hours.*

To elect a major or minor, a student must have attained an accumulative average of at least 2.00 in all French courses taken in college.

Major: French 11-(12), 31, (32), 33, (34), 41, (42), and six additional hours chosen from courses numbered above 50.

Minor: French 11-(12), 31, (32), and 33, (34).

*German*

## 1-(2).—ELEMENTARY GERMAN

Study of the fundamentals of German grammar. Reading of short stories and poetry of increasing difficulty. Emphasis on oral expression. *Eight semester hours.*

## 11-(12).—INTERMEDIATE GERMAN

Review of the fundamental principles of grammar. Intensive reading of prose and poetry of increasing difficulty, with emphasis on vocabulary building. Oral practice based on material read. *Prerequisite: German 1-(2), or the equivalent. Eight semester hours.*

## 13 or (14).—READING COURSE

*Required of all students who have failed to pass the Modern Language Reading Examination in German. No credit.*

## 21-(22).—SCIENTIFIC GERMAN

A course designed for students majoring in the sciences. Introduction to scientific and technical literature, with drill in sentence structure and word composition. Readings from scientific texts and journals. *Prerequisite: German 11-(12). Six semester hours.*

## 31, (32).—GERMAN CONVERSATION AND COMPOSITION

Training in speaking and writing of everyday German. Intensive review of grammar; course partly conducted in German. *Prerequisite: German 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

## 33, (34).—SURVEY OF GERMAN LITERATURE

An introduction to German literature presenting its development from the earliest period to the present time. Lectures on readings from representative works. *Prerequisite: German 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

## 41, (42).—ADVANCED GERMAN CONVERSATION AND COMPOSITION

A continuation of German 31, (32). Course conducted in German. *Prerequisite: German 32, or the equivalent, with a grade of at least C. Three or six semester hours.*



## 61, (62).—GOETHE AND SCHILLER

Reading in Goethe's poems and major prose works during the fall session. The spring session is devoted to Schiller's ballads, dramas and prose writings. *Prerequisite: German 34, or the equivalent, with a grade of at least C. Three or six semester hours.*

## 65.—THE GERMAN LYRIC

A survey of German lyric poetry from its origins to the present. Reading and discussion of representative authors. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1955-56. Three semester hours.*

## (66).—THE GERMAN DRAMA

The development of the German drama from the mediaeval mystery plays to the dramatic productions of modern times. Reading and interpretation of representative dramas. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1955-56. Three semester hours.*

## 67.—THE GERMAN SHORT STORY

The development of the *Novelle* from Goethe to Thomas Mann, with special emphasis on the authors of Romanticism, Poetic Realism, and modern literary movements. Reading and discussion of representative *Novellen*. *Prerequisite: German 34, or the equivalent, with a grade of at least C. To be offered 1956-57. Three semester hours.*

## (72).—HISTORY OF THE GERMAN LANGUAGE

A study of the various periods of the language, with special emphasis on the development of forms and meanings and the influence of individual men and historical circumstances. *Prerequisite: German 12, or the equivalent, with a grade of at least C. To be offered 1956-57. Three semester hours.*

To elect a major or minor, a student must have attained an accumulative average of at least 2.00 in all German courses taken in college.

Major: German 11-(12), 31, (32), 33, (34), 41, (42), and six additional hours chosen from courses numbered above 50.

Minor: German 11-(12), 31, (32), and 33, (34).

*Spanish*

## 1-(2).—ELEMENTARY SPANISH

Thorough drill in grammar. Special attention given to pronunciation and oral work. Composition. Readings of increasing difficulty. *Eight semester hours.*

## 11-(12).—INTERMEDIATE SPANISH

Grammar review. Reading and composition. Emphasis on oral work. *Prerequisite: Spanish 1-(2), or the equivalent. Eight semester hours.*

## 13 or (14).—READING COURSE

*Required of all students who have failed to pass the Modern Language Reading Examination in Spanish. No credit.*

## 31, (32).—SPANISH CONVERSATION AND COMPOSITION

The chief aim of this course is to teach the student to speak and understand the language. Pronunciation is taught and corrected by phonetic transcription. Gram-



mar review and composition. Course conducted partly in Spanish. *Prerequisite: Spanish 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

### 33, (34).—SURVEY OF SPANISH LITERATURE

Rapid reading of masterpieces of Spanish literature. *Prerequisite: Spanish 12, or the equivalent, with a grade of at least C. Three or six semester hours.*

### 41, (42).—ADVANCED SPANISH CONVERSATION AND COMPOSITION

A continuation of Spanish 31, (32). Course conducted in Spanish. *Prerequisite: Spanish 32, or the equivalent, with a grade of at least C. Three or six semester hours.*

### 51, (52).—SPANISH LITERATURE OF THE GOLDEN AGE

Reading and discussion of representative works of the important writers of the Golden Age. Collateral readings and reports. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. Three or six semester hours.*

### 55, (56).—SPANISH LITERATURE OF THE NINETEENTH CENTURY

Reading and discussion of representative works of the important writers of the century. Collateral readings and reports. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. Three or six semester hours.*

### 57, (58).—SPANISH LITERATURE FROM 1900 TO THE PRESENT

Reading and discussion of representative works of the important writers of the period. Collateral readings and reports. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. To be offered 1955-56. Three or six semester hours.*

### 71, (72).—SPANISH-AMERICAN LITERATURE

A course designed to give the student a survey of Spanish-American literature and civilization and an introduction to some of the more important authors from the colonial period to the present. *Prerequisite: Spanish 34, or the equivalent, with a grade of at least C. To be offered 1955-56. Three or six semester hours.*

To elect a major or minor, a student must have attained an accumulative average of at least 2.00 in all Spanish courses taken in college.

Major: Spanish 11-(12), 31, (32), 33, (34), 41, (42), and six additional hours chosen from courses mentioned above 50.

Minor: Spanish 11-(12), 31, (32), and 33, (34).

## MUSIC

### ASSOCIATE PROFESSOR SCHECTER

#### 41.—THE APPRECIATION OF MUSIC

Includes a study of the growth of music and an analysis of its forms. *Previous training in music is not necessary. Two semester hours.*

#### (42).—THE HISTORY OF MUSIC

Includes a study of eleven great composers. *Previous training in music is not necessary. Two semester hours.*



## PHILOSOPHY AND RELIGION

PROFESSOR GOULD

VISITING PROFESSOR WILDMAN

ASSOCIATE PROFESSOR JAMES

ASSISTANT PROFESSOR ROBB \*

Courses offered in this department are designed to help students gain a comprehensive view of life and the universe, think constructively about the central problems of life, and acquire an appreciative awareness of vital expressions of religion.

## 11 or (12).—INTRODUCTION TO PHILOSOPHY AND RELIGION

A course which surveys the important periods of philosophy with special attention being given to the influences of the physical and social sciences and to the relationship between philosophy and religion. Some of the problems studied are the nature of reality, the sources of knowledge, the interpretation of nature, and the great ends of life. *Three semester hours.*

## 15 or (16).—INTRODUCTION TO THE BIBLE

A survey course which aims to assist the student in a scholarly approach to the Bible, the use of commentaries and related material, interpretation of texts, questions of authorship, history, validity, and religious values. The course centers in the Old Testament in its historical and literary setting, with special reference to its ethical and spiritual content. *Three semester hours.*

## 19.—THE HEBREW PROPHETS

A study of the origin and development of the prophetic movement in Israel; the historical background of each prophet; the prophetic criticism of life; the central ideas of each prophet; the relevance and significance of the prophets for the life of today. *Prerequisite: Philosophy 15 or (16). Three semester hours.*

## 21.—THE LIFE AND TEACHINGS OF JESUS

The course centers in the religious and ethical insights of Jesus in their historical setting and in their contemporary relevance. A critical study of the Gospels is made and selected biographies of Jesus are read. *Three semester hours.*

## 23, (24).—HISTORY OF CHRISTIAN THOUGHT

A study of the ideological development of Christianity from its beginning to the present. Special emphasis is placed upon the philosophic influences of the various periods as they relate to the unfolding of Christian concepts. *Not to be given 1954-55. Three or six semester hours.*

## 27.—PSYCHOLOGY OF RELIGION

An examination of the mental processes involved in religious experience. Special attention is given to the nature of religion, religious attitudes of childhood and adolescence, conversion, worship, prayer, mysticism, the sense of sin and forgiveness, and belief in God and immortality. *Three semester hours.*

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\* On leave of absence.



## (28).—HISTORY OF RELIGIONS

A study of the origin and growth of religion, including an examination of primitive religion, followed by an outline study of the great religions of the world. Special emphasis is given the principal living religions. *Three semester hours.*

## 31.—ETHICS

A study of the beginnings and growth of morality, the theories of moral life, and the application of these theories in the world of action. Discussion of specific problems arising in everyday life of the individual and group in a democracy. *Three semester hours.*

## (32).—LOGIC

A study of the principles and conditions of correct thinking. A careful examination is made of the nature of proof and the detection of fallacies. The laws of correct reasoning, deductive and inductive, are applied to thinking in everyday life. In the latter part of the course the methods of scientific investigation receive special attention. *Three semester hours.*

## 33, (34).—PHILOSOPHY AND LIFE OF THE ORIENT

The Oriental outlook on life contrasted with the Occidental. The first semester is devoted to a study of the cultural background, philosophy, and life of the people of India and Malaysia. During the second semester similar attention is given to China and Japan. *Two or four semester hours.*

## (36).—AESTHETICS

A study of the more significant classical and modern approaches to the philosophy of art with particular reference to their intellectual and psychological backgrounds. *Not to be given 1954-55. Three semester hours.*

## (40).—PHILOSOPHY OF RELIGION

The application of the philosophic method to the problem of God, human personality, immortality, etc. Religion is studied and evaluated in terms of its affinity with the whole of life experience. *Not to be given 1954-55. Three semester hours.*

## 41.—ANCIENT AND MEDIAEVAL PHILOSOPHY

The successive philosophical systems from the Greeks down to the fall of Constantinople. Emphasis is placed on direct acquaintance with the writings of the various authors and on their permanent contributions to Western culture. *Prerequisite: Philosophy 11 or (12). Three semester hours.*

## (42).—MODERN PHILOSOPHY

A study of the development of philosophy from 1453 to the present time. Special emphasis is placed on the works of Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, and Kant. *Prerequisite: Philosophy 11 or (12). Three semester hours.*

## (48).—CONTEMPORARY PHILOSOPHY

An intensive study of the philosophies of William James, A. N. Whitehead, John Dewey, George Santayana, and Henri Bergson. *Prerequisite: Philosophy 11 or (12). Not to be given 1954-55. Three semester hours.*

## 51.—THE PHILOSOPHY OF PLATO

A study of Plato's philosophic system with special emphasis on his metaphysics, epistemology, and political views. While the *Republic* is used as the basic source,



other dialogues are also studied in the course. *Prerequisite: Philosophy 11 or (12). Not to be given 1954-55. Three semester hours.*

### 53.—AMERICAN PHILOSOPHY

Down to Contemporary Philosophy. A consideration of characteristic points of view regarding three major problems: the philosophy of culture, the philosophy of science, and the philosophy of religion. *Prerequisite: Philosophy 11 or (12). Not to be given 1954-55. Three semester hours.*

### 95, (96).—SEMINAR

*Open to advanced students, especially those majoring in philosophy. With permission of the Chairman of the Department. One or two semester hours.*

NOTE: Courses in Bible do not count toward a Major or Minor.

Major: 24 semester hours, including Philosophy 11 or (12), 31, (32), 41, and (42).

Minor: 15 semester hours, including Philosophy 11 or (12), 41, and (42).

## PHYSICAL EDUCATION

ASSOCIATE PROFESSOR RANSOM

ASSISTANT PROFESSOR STECKBECK

MR. LAURO, MISS WAGNER AND MR. BUSH

Physical education is required of all men and women. This work is scheduled in the freshman and sophomore years, two hours per week, and earns one credit for each of four semesters. In the case of a transfer student, proof of satisfactory completion of the equivalent must be presented to the head of the department. Four credits are required for graduation.

The work is under the supervision of the Chairman of the Department of Physical Education. The work is composed of instruction and practice in team and individual sports. The sports are of a nature that will have a definite carry-over value. Golf, tennis, badminton, handball, archery, etc., comprise the individual group. Touch football, speedball, basketball, softball, baseball, etc., comprise the team group. A student has one period of individual and one period of team activities per week.

Those students recommended by their physician not to take part in active physical education classes are assigned to the "Sports Appreciation" classes where techniques, rules, history, etc., of the activities are taught.

## PHYSICS

PROFESSOR PARLIN

ASSOCIATE PROFESSOR SMITH

The Department of Physics provides, through its introductory course, basic training in a laboratory science for students pursuing a general liberal arts program and, through its advanced courses, specialized study for



those seeking a concentrated curriculum in physical science. The objective of the department is to impart a knowledge of the facts and skills which constitute the recognized limits of college physics and, at the same time, to give training in analytical and quantitative reasoning.

#### 11-(12).—ELEMENTS OF PHYSICS

An introduction to the study of the physical sciences, including mechanics, heat, sound, light, and electricity. Lecture-demonstration and recitation, six hours; laboratory, four hours. *Prerequisite: Trigonometry. Eight semester hours.*

#### 21.—METEOROLOGY

A study of the principles under which the various changes in the atmosphere exist and operate. Lecture and recitation. *Two semester hours.*

#### (22).—ASTRONOMY

A study of heavenly bodies, constellations, time, celestial navigation, and astrophysics. Lecture and recitation. *Two semester hours.*

#### 23L.—DESCRIPTIVE GEOMETRY

A study of the fundamentals of descriptive geometry, including reference systems, representation of point, line, and plane. A study of the various surfaces and solids, their sections, developments, and intersections. Six hours drawing. *Prerequisite: Plane Geometry. Three semester hours.*

#### (24L).—MECHANICAL DRAWING

Theory and practice of mechanical drawing, leading to business, engineering, and machine design. Six hours drawing. *Prerequisite: Plane Geometry. Three semester hours.*

#### 25.—ANALYTICAL MECHANICS (STATICS)

A study of balanced and unbalanced forces and their effect on matter. Lecture-demonstration and recitation. *Prerequisite: Physics 11-(12) and Mathematics 21-(22). In alternate years; to be given 1955-56. Three semester hours.*

#### (26).—ANALYTICAL MECHANICS (DYNAMICS)

Motion of a particle, kinetics of a particle, work and energy, impulse and momentum, vibrations and moments of inertia. Lecture-demonstration and recitation. *Prerequisite: Physics 11-(12), Mathematics 21-(22) and Physics 25. In alternate years; to be given 1955-56. Three semester hours.*

#### 31-(32).—ELECTRICITY

A study of direct and alternating current, including high frequency A.C. and radio. Lecture, demonstration, and recitation. *Prerequisite: Physics 11-(12). Six semester hours.*

#### 33.—ATOMIC PHYSICS

A study of the particles of modern physics and the methods of their acceleration; measurement of nuclear radiation; natural and induced radioactivity; cosmic rays. Lecture and recitation. *Prerequisite: Physics 11-(12). In alternative years; to be given 1954-55. Two semester hours.*



## (34L).—ELECTRONICS

Electron emission, electron control, thermionic vacuum tubes, photosensitive tubes, radio, and television. One hour lecture and two hours laboratory. *Prerequisite: Physics 11-(12). In alternate years; to be given 1954-55. Two semester hours.*

## 43-(44).—GEOMETRICAL AND PHYSICAL OPTICS

A study of the fundamental principles underlying optical phenomena, including various optical systems and their application to optical instruments. Lecture-demonstration and recitation. *Prerequisite: Physics 11-(12), and Mathematics 21-(22). Six semester hours.*

## 51.—THEORETICAL PHYSICS

The statics and dynamics of a rigid body, including vibratory motion. Lecture and recitation. *Prerequisite: Physics 11-(12), and Mathematics 21-(22). Three semester hours.*

## (54).—SPECIAL PROBLEMS IN THEORETICAL PHYSICS

*Prerequisite: Physics 51. One semester hour.*

Major: 30 hours, including Physics 11-(12), 31-(32), 43-(44), and 51. Mathematics 31 and 32, may be included.

Minor: 18 hours, including Physics 11-(12).

## POLITICAL SCIENCE

PROFESSOR TAYLER

ASSOCIATE PROFESSOR FLOWER

ASSISTANT PROFESSOR FLAHERTY AND DR. DIETZE

The Department of Political Science aims to give students an understanding of the political and administrative problems of government and the responsibilities of citizenship. The approaches are both theoretical and practical; the areas are local, national and international. The two areas offered for concentration are Government and International Affairs. A number of students with majors and minors in political science enter fields of law, government and international organizations. Whether or not these courses, oriented into a liberal arts curriculum, are to be used as specialized training, the emphasis in all the courses offered by the department is upon the fundamental principles underlying enlightened citizenship.

## 11, 12.—AMERICAN GOVERNMENT

Description of structure and operation of the American system of government. Comparison of Federal and State governments. *Given each semester. Basic course for Political Science majors. Three or six semester hours.*



### 33.—MUNICIPAL GOVERNMENT AND ADMINISTRATION

The organization and functions of municipal government; recent remedial movements. Taxation; property assessment; police and fire administration; planning and zoning; fiscal procedures; local ownership of utilities. *Prerequisite: Political Science 11 and 12. Three semester hours.*

### 35.—PUBLIC ADMINISTRATION

Growth of public administration; major problems and trends; types of administrative functions and organizations; foundations of administrative law; forms of administrative action; the problem of responsibility; fiscal and personal administration. *Three semester hours.*

### (36).—COMPARATIVE GOVERNMENT

A survey and comparative analysis of the constitutional development, organization and structure of government of the major European countries. *Prerequisite: Political Science 11. Three semester hours.*

### 37.—INTERNATIONAL RELATIONS

An examination of the basic factors affecting relations between states, such as economic, geographic and demographic; the evolution of international relations and the place of power politics in the modern world. *Three semester hours.*

### (40).—PROBLEMS OF STATE GOVERNMENT

Study of Pennsylvania State Legislature while in session, focusing attention on interest-group representation and legislative procedures. Study also of judicial and state administration. *Prerequisite: Political Science 11, 12. To be given in 1954-55. Three semester hours.*

### 41.—AMERICAN POLITICAL THOUGHT

The development of political ideas in America stressing foreign influences on early Colonial thought and those which were indigenous to the growth of American Democracy. Colonial political ideas, the development of the Constitution, the Federalist Papers, State Rights philosophy vs. centralized government and contemporary interpretations are studied. *Prerequisites: Political Science 11 and History 17-(18) desirable. In alternate years; to be given 1954-55. Three semester hours.*

### (44).—INTERNATIONAL ORGANIZATION

A treatment of the organizations through which states have dealt with their common problems in the past; the League of Nations, World Court, International Labor Organization with emphasis on the organization of the post-war world; the United Nations and specialized agencies. *Three semester hours.*

### 45, (46).—CONSTITUTIONAL LAW

Analysis of leading Supreme Court interpretations of the Constitution. Emphasis on concepts of judicial review; separation of powers; federalism; interstate commerce; obligation of contracts; due process; equal protection of the laws; political and religious liberty. Introduction to legal research. *Three or six semester hours.*

### (48).—FAR EASTERN GOVERNMENTS AND POLITICS

The political systems of China and Japan are considered. Major emphasis is put upon the rise and destruction of totalitarianism in Japan, upon revolution in China,



and upon the problems arising from the political, economic and social reconstruction of the Far East. (The role of United States of America, British, and Russian interests and policies in the Far East are examined.) *In alternate years; to be given in 1954-55. Three semester hours.*

#### 51.—LATIN AMERICAN GOVERNMENTS

A study of the constitution and governments of Latin America with special emphasis on Argentina, Brazil, and Chile and on the Personista Movement. *Three semester hours.*

#### (52).—INTER-AMERICAN RELATIONS

An analysis of nineteenth and twentieth century Pan-American relations with special emphasis on Inter-American cooperation during World War II, and the operation of the Organization of American States. *In alternate years; to be given 1955-56. Three semester hours.*

#### 53.—EVOLUTION OF POLITICAL THOUGHT

Development and analysis of significant political ideas from the Greek City-State to the eighteenth century. Contributions to modern ideas and trends in government. *Three semester hours.*

#### (54).—RECENT POLITICAL THOUGHT

Examination of significant political thought concerning the origin, nature, and functions of the State from the Age of Reason to the present. Socialism, Fascism, and Democracy. Emphasis on the conflict between Democracy and Authoritarianism. *Three semester hours.*

#### (56).—PUBLIC OPINION AND PROPAGANDA

The formation and control of public opinion in a democracy. Analysis of mass communication (radio, press, film and TV); propaganda techniques; the causation of social attitudes, and problems of public-opinion polling. *Also called Sociology 56. Three semester hours.*

#### 57.—POLITICAL PARTIES

Party system in the United States; strengths and weaknesses; functions and techniques of political parties; the electorate; government and political parties; political parties and pressure groups. *To be given 1954-55. Three semester hours.*

#### 59, (60).—AMERICAN FOREIGN POLICY

An analysis of the machinery through which foreign policy is formed and executed, including a topical study of courses of action open to the United States; non-entanglement; the Good-Neighbor policy; the Monroe Doctrine; the policy of the United States as a member of the United Nations. *Prerequisite: Political Science 11. Three or six semester hours.*

#### 61 or (62).—CONTEMPORARY PROBLEMS

An analysis of current problems in relation to their national and international importance. The freedom of the individual is particularly considered in contrast to governmental controls. *Three semester hours.*

## (64).—INTERNATIONAL LAW

A study of the fundamental principles of law governing the conduct between states, especially as interpreted and applied by the United States. *Three semester hours.*

## (66).—RUSSIA AND THE SOVIET UNION IN WORLD POLITICS

Motivating factors underlying the foreign policy of the Soviet Union; comparison with Czarist Russia and other states. Major emphasis upon the role of the Soviet Union in contemporary world politics. *Prerequisite: Political Science 36 or permission of the instructor. To be given 1954-55. Three semester hours.*

## 95, (96).—SEMINAR

A reading and conference course for advanced students. *With permission of the Chairman of the Department. Two semester hours.*

Major: 30 semester hours.

Required:

Pol. Sci. 11 and 12; 53 or (54); and one course from each of the following groups:

Group 1: Pol. Sci. 33, 35, 45 or (46), 57, (40), 41.

Group 2: Pol. Sci. (36), 51, 59, (60), 61, (62), (66).

Group 3: Pol. Sci. 37, (44), (52), (64), (48).

Remaining twelve hours optional.

Minor: 18 semester hours, including Pol. Sci. 11 and (12).

## PSYCHOLOGY

*See Education and Psychology*

## SOCIOLOGY

PROFESSOR KEPNER

ASSOCIATE PROFESSOR W. T. JAMES

Sociology, the science of social relations, helps students to understand themselves and the society in which they live. It deals especially with the status and role of the individual in the group, universal and variable characteristics of communities and social institutions, and the cultural norms and dynamic processes which maintain stability or induce social change. Special sequences of study are arranged for (1) those who are preparing for graduate work in sociology and (2) those who are contemplating social work.

## 15.—MODERN AMERICAN SOCIETY

The social structure of the United States today; American ideals, current problems and public policy; culture and personality. *Open only to freshmen. Three semester hours.*



(16).—ETHNIC GROUPS AND RACE RELATIONS

The interaction of ethnic and racial groups in the United States and in non-European nations, with special attention to differences in culture. *Open only to freshmen and sophomores. Three semester hours.*

31-(32).—PRINCIPLES OF SOCIOLOGY

A study of the primary concepts of sociology, with emphasis upon patterns of culture and the structure of society; subsequent investigation in population trends and human ecology, the structure and function of institutions, forms of social interaction, and the conditions and modes of social change. *Six semester hours.*

(34).—CULTURAL ANTHROPOLOGY

A study of the culture of primitive societies, designed to familiarize the students with the wide range of man's cultural patterns. It examines ethnological materials and methods, and seeks to formulate a theory of culture. *Open to all students except freshmen. In alternate years; to be given 1955-56. Three semester hours.*

(36).—INTRODUCTION TO SOCIAL WORK

An introductory survey of the various types of private and public social agencies in the United States; outstanding historical developments; legislation for public welfare; fundamental principles and approved methods, and exemplification of the processes of case work, group work and community organization. Field trips are taken to social agencies. *Prerequisite: Sociology 31-(32), the second semester of which may be taken concurrently with this course. In alternate years; to be given 1955-56. Three semester hours.*

(47).—CRIMINOLOGY

The nature, causation and treatment of delinquency and crime. Examination of case histories and statistical studies. Consideration of proposals for the prevention of crime and improvement of penal procedures. *Limited to juniors and seniors. In alternate years; to be given 1955-56. Three semester hours.*

(56).—PUBLIC OPINION AND PROPAGANDA

The formation and control of public opinion in a democracy. Analysis of mass communication (radio, press, film and TV); propaganda techniques; the causation of social attitudes; problems of public opinion polling. *Also called Political Science 56. Three semester hours.*

57.—THE NEGRO AMERICAN

The historical antecedents and present problems of Negro Americans. The causation and effects of prejudice and discrimination. Current trends in race relations in the United States. *Not open to freshmen. In alternate years; to be given 1955-56. Three semester hours.*

62.—METHODS OF SOCIAL RESEARCH

The study and application of basic methods of social research. Interviewing techniques; participant observation; sampling techniques; the experimental method; the use of the schedule and questionnaire in the study of social attitudes. *Prerequisite: Sociology 31-(32). In alternate years; to be given 1954-55. Three semester hours.*



## 63, (64).—THE FAMILY

*First semester:* A sociological study of the family, comparing family institutions of primitive, ancient and modern societies; recent changes in the American family; the family's function in the socialization of the child. *Second semester:* Courtship and preparation for marriage; conditions favorable to marital adjustment, contrasted with tensions leading to family disorganization. *Open only to juniors and seniors. Three or six semester hours.*

## \*65, (66).—THE PEOPLES AND CULTURES OF THE SOVIET UNION

European and Asiatic peoples of the U.S.S.R., and their social heritages. Major institutions, as affected by Russian traditions, ideology and political power. Personality and culture in the Soviet Union. *Not open to freshmen. In alternate years; to be given 1955-56. Three or six semester hours.*

## 71.—COMPARATIVE SOCIOLOGICAL THEORY

A systematic examination of outstanding theories of social structure and social change. Primary emphasis is given to the similarities and differences in basic assumptions and conclusions of the leading writers since Spencer. *Prerequisite: Sociology 31-(32). In alternate years; to be given 1955-56. Three semester hours.*

## \*73, (74).—THE PEOPLES AND CULTURES OF LATIN AMERICA

This course seeks to help the student understand and appreciate the peoples of Latin America and their cultures. It compares Latin American nations in respect to racial composition and social heritage, describes typical communities and institutions, analyzes social problems, and examines personal and cultural factors which influence political, economic and social relationships. *Not open to freshmen. In alternate years; to be given 1954-55. Three or six semester hours.*

## (76).—THE SOCIOLOGY OF RELIGION

A study of the social aspects of religion and the religious aspects of society. The contribution of the sociology of religion to general theory and methodology, and the social influences of religious organizations are emphasized. *Prerequisite: Sociology 31-(32). In alternate years; to be given 1954-55. Three semester hours.*

## 91.—SEMINAR

Extensive reading, with students reporting to the class upon assigned books and topics. *Limited to juniors and seniors who are Sociology majors or minors. In alternate years; to be given 1954-55. Three semester hours.*

Major: 30 semester hours, including Sociology 31-(32), 62, 71 and 91. Six of the thirty hours may be chosen from the following courses, provided the courses chosen are not offered for credit for major or minor in other departments: Economics 21-(22), (74), (76) or 77; English 37, (38) or 67; History 57, (58) or 61, (62); Mathematics 23-(24); Philosophy and Religion 53; Political Science 37, 41, 53 or (54); Psychology 33, 41, 59, (60) or 65. All of these courses are recommended to students of Sociology. Most important is Mathematics 23-(24), and it is *required* of all who wish to be recommended for graduate study. Each major should consult the chairman of the department before writing his schedule.

Minor: 18 semester hours, including Sociology 31-(32), and either 57, 62, 71 or 91.



## Endowed Chairs

The college has a number of endowed professorships. The holders of these chairs are named by the Board of Trustees and the chairs which they hold are indicated in the faculty list. The endowed chairs are as follows:

THE LEMUEL T. APPOLD FOUNDATION, endowing the chair of the President of the College, was established by the Board of Trustees from a part of the bequest of Lemuel T. Appold of Baltimore, Maryland, of the Class of 1882 and a generous benefactor of the college.

THE ROBERT COLEMAN CHAIR of History. The bequest of Robert Coleman, Esq., of Lancaster, Pennsylvania, was designated by the Board of Trustees in 1828 for the endowment of a professorship, making this one of the oldest American professorships. The professorship was reactivated in 1948.

THE THOMAS BEAVER CHAIR of English Literature was endowed by Thomas Beaver, Esq., of Danville, Pennsylvania in 1872.

THE SUSAN POWERS HOFFMAN CHAIR of Mathematics was endowed and named in memory of Susan Powers Hoffman of Carlisle.

THE ASBURY J. CLARKE CHAIR of Latin was established in 1919 by the gift of the widow of Asbury J. Clarke, of the Class of 1863.

THE RICHARD V. C. WATKINS CHAIR of Psychology was endowed in 1931 by the bequest of Richard V. C. Watkins, of the Class of 1912.

THE MARTHA PORTER SELLERS CHAIR of Rhetoric and the English Language is an endowed professorship established in 1936 by a gift of her son, the late Professor Montgomery Porter Sellers, of the Class of 1893.

THE BOYD LEE SPAHR CHAIR of American History was endowed in 1949 by the gift of Boyd Lee Spahr, of the Class of 1900.

THE GEORGE HENRY KETTERER and BERTHA CURRY KETTERER CHAIR of Religion was endowed in 1949 by the gifts of George Henry Ketterer, D.D., of the Class of 1908, a trustee of the College, and his wife, Bertha Curry Ketterer.

THE ROBERT BLAINE WEAVER CHAIR of Political Science was endowed by the bequest of Laura Davidson Weaver, and named for her brother, Robert Blaine Weaver, of the Class of 1874.

THE C. SCOTT ALTHOUSE CHAIR of Chemistry was established in 1950 and named for C. Scott Althouse, a Trustee of the College.

THE ALFRED VICTOR DUPONT CHAIR of Chemistry named for Alfred Victor duPont, a student at the College, 1814-16, was established in 1950 by the gift of his grandson, Irénée duPont, of Wilmington, Delaware.

THE THOMAS BOWMAN CHAIR of Religion was endowed in 1951 by the gift of the Kresge Foundation (Sebastian S. Kresge, L.H.D., Founder), and named for Thomas Bowman of the Class of 1837, the first graduate of Dickinson College to be elected a Bishop of the Methodist Episcopal Church.

A number of other chairs are partially endowed.



# Honor Scholarships and Prizes

## FOR GENERAL EXCELLENCE IN SCHOLARSHIP

**SOPHISTERS.** By action of the Board of Trustees, and in keeping with an old Dickinson tradition, the highest-ranking Junior is named Senior Sophister for his final year in college, while the highest-ranking Sophomore is named Junior Sophister for the following year. The distinction of Senior and Junior Sophister carries with it a full-tuition scholarship.

1953-54 SENIOR SOPHISTER, Margaret E. Zinck, Allentown.

1953-54 JUNIOR SOPHISTER, Howard E. Davis, Mauch Chunk.

**THE JAMES FOWLER RUSLING PRIZE** of \$100, the income augmented, from the \$1,000 gift of General James Fowler Rusling, LL.D., Class of '54, is awarded to that student of the Senior Class who, at the end of a four-years' course, shall be found to excel in scholarship and character.

Awarded, 1953, to Elizabeth A. Fosnocht, Birdsboro.

**THE WILLIAM K. DARE HONOR SCHOLARSHIP**, in memory of William K. Dare, Class of '83, Professor of Education and Psychology, 1893-99, is awarded annually to that male student of the Freshman, Sophomore, or Junior Class who has attained the highest scholastic average in the work of the previous year. For this purpose the late Lemuel T. Appold, Esq., Class of '82, the lifelong friend of Professor Dare, gave the College a capital fund of \$5,000. The scholarship, consisting of \$250, is awarded at commencement time, and is credited to the recipient on the tuition of the following year.

Awarded, 1953, to Glenn E. Welliver, Westminster, Md.

**THE DELAPLAINE MCDANIEL PRIZES.**—\$5,000 was given by the late Delaplaine McDaniel, of Philadelphia, as a scholarship fund providing three prizes offered annually to members of the Freshman and Sophomore Classes for excellent in scholarship.

**SOPHOMORE PRIZE, \$100**—To Edith H. Bean, Denton, Texas.

**FRESHMAN PRIZES, TWO PRIZES OF \$100 each**—To Mary L. Rohrbaugh, Elmira, N. Y. and John W. Weigel, Carlisle.

**THE WELLINGTON A. PARLIN SCIENCE SCHOLARSHIP AWARD** of \$100, more or less, the income from a fund being given to the College by Dr. Wellington A. Parlin, Professor of Physics and Chairman of the Department, awarded annually to that Junior majoring in Biology, Chemistry or Physics, who has, during the three years at Dickinson College, attained the highest general scholastic average, and is applied to his college account for his senior year. If in any year the student to whom the award is made does not return as a student for the following year, the amount granted him shall then be used by the College for general College purposes.

Awarded, 1953, to Jacqueline A. Smith, Allentown.

**THE JOHN PATTON MEMORIAL PRIZES**, four in number, of \$25 each, one for each of the college classes, established by the \$2,000 gift of the late Hon. A. E. Patton of Curwensville, as a memorial to his father, Gen. John Patton, for many years a trustee of the College, are awarded annually for high scholastic standing. Awards for 1953:

*Senior Class* —Norman D. Jaffe, Butler.

*Junior Class* —Carolyn D. McMullin, Drexel Hill.

*Sophomore Class*—Forrest C. Grimm, Carlisle.

*Freshman Class* —Carlyn A. Burgard, Dillsburg.



## FOR EXCELLENCE IN SPECIAL FIELDS

THE RUTH SELLERS MAXWELL SCHOLARSHIPS in English Literature, established in 1945 by the \$5,000 gift of Robert H. Maxwell, of the Class of 1915, in memory of his wife, Ruth Sellers Maxwell, of the Class of 1915, who for many years was a teacher of English Literature, to be awarded annually for excellence in scholarship, for the highest scholastic standing in any course in English literature. Awards for 1953:

SENIOR PRIZE, \$100 —Joan E. Gettig, Altoona.

JUNIOR PRIZE, \$75 —Margaret E. Zinck, Allentown.

SOPHOMORE PRIZE, \$50—Henry J. Rutherford, Marietta.

FRESHMAN PRIZE, \$25 —Theodore Sky, Altoona.

THE HENRY P. CANNON MEMORIAL PRIZE, income of a fund of \$500 voted by the Trustees in 1932 in honor of Henry P. Cannon, Class of 1907, to continue the award given by him for many years "to that member of the Sophomore Class who shall pass the most satisfactory examination in the Mathematics of the Sophomore year, together with the original Geometry of the Freshman year."

Awarded, 1953, to Ward E. Barnes, Pittsburgh.

THE MERVIN GRANT FILLER MEMORIAL PRIZE of \$50, the income from a \$1,000 bequest of Tolbert J. Scholl, of Mechanicsburg, Pa., in memory of Dr. Mervin G. Filler, President of the College, 1928-31, to be awarded annually at Commencement to a student of the College for excellence in the study of the classical languages.

Awarded, 1953, to Virgil Sherwood, Spangler.

THE CHI OMEGA FRATERNITY PRIZE of \$25, the gift of the Dickinson chapter, is an award made to that Junior or Senior woman who excels in Economics, Political Science, or Sociology.

Awarded, 1953, to Ann Bell, Fair Lawn, N. J.

THE CLASS OF 1902 AWARD. A gold watch made possible by a gift of \$1,979.05 from the Class of 1902, and awarded annually to that member of the Junior Class who, by the vote of his classmates, shall be adjudged the most all-round Dickinsonian.

Not awarded, 1953.

THE JOSEPH CLEMENS PRIZE of \$25, a gift of Joseph Clemens, Class of 1894, Chaplain in the U. S. Army, is awarded annually to a student of the Junior Class for the best essay on foreign missions.

Not awarded, 1953.

THE CHARLES MORTIMER GIFFIN PRIZE IN ENGLISH BIBLE of \$25, the income of a fund of \$500, is awarded annually to a student of the Senior Class of English Bible.

Awarded, 1953, to Edward N. Adourian, Jr., Wynnewood.

THE WILLIAM W. LANDIS MEMORIAL PRIZE IN MATHEMATICS of \$50, the income from a fund of \$1,000 given by his cousin, George G. Landis, of the Class of 1920, in memory of Dr. William W. Landis, Professor of Mathematics from 1895 to 1942, to be awarded for excellence in the mathematics of the Freshman year.

Awarded, 1953, to Lee W. Baric, Carlisle.

THE GAYLARD H. PATTERSON MEMORIAL PRIZE of \$25, the income of a fund of \$500, a memorial to Professor Gaylard H. Patterson, the founder of the Social Science Department in the College, to be awarded to that student in Sociology who



presents the best sociological analysis of a public policy. The judges of the essay are to be members of the Department of Social Science.

Awarded, 1953, to George M. Gill, Jr., Drexel Hill.  
and Theora M. Minzes, Havertown.  
and George E. Orwig, II, Williamsport.

THE MORRIS W. PRINCE HISTORY PRIZE of \$25, the income of a fund of \$455, the gift of the Class of '99, for excellence in history.

Awarded, 1953, to E. Donald Shapiro, York.

THE MILTON S. REES PRIZE of \$25, the gift of Rev. Milton S. Rees, D.D., Rochester, N. Y., is awarded to that student who shall excel in English Bible.

Awarded, 1953, to Howard E. Davis, Mauch Chunk.

THE WINFIELD DAVIDSON WALKLEY PRIZES of \$25 and \$15, the income of a fund amounting to \$993.16, endowed by D. R. Walkley, D.C.L., in memory of his son, Winfield Davidson Walkley, are awarded as first and second prizes, respectively, to those members of the Freshman Class who shall excel in declamation, either forensic or dramatic.

First Prize, \$25—To Theodore Sky, Altoona.

Second Prize, \$15—To Alan S. Kramer, New York, N. Y.

ANGELINE BLAKE WOMER MEMORIAL PRIZE of \$75, the income of a fund of \$1,500, to be awarded each year to that student of the Freshman Class who attains the highest grade in rhetoric and composition.

Awarded, 1953, to John W. Weigel, Carlisle.

THE GOULD MEMORIAL DRAMA PRIZES, two permanent trophies, value \$1,200.00, donated by Dr. Herbert M. Gould, in memory of his father, William H. G. Gould, and mother, Myrtle Drum Gould, to be retained by the College, but engraved each year with the name of the man student and woman student who, in the judgment of the President of the College, has made the greatest contribution to the program of dramatic productions of the College, and the sum of \$100.00 to each winner each year.

Awarded, 1953, to Robert S. Freedman, York.  
and Ann L. Boyd, Plymouth Meeting.

THE HUFSTADER SENIOR PRIZES, two prizes of \$100 each, one for the Senior man student and the other for the Senior woman student who, in the judgment of the President of the College, has contributed most to the good of the College during the entire four years. These prizes are endowed by a gift by Dr. William F. Hufstader.

Awarded, 1953, to H. Robert Gasull, Jr., Lemoyne.  
and Elizabeth K. Middleton, Merchantville, N. J.



## Trustee Scholarships, 1953-54

THE TRUSTEE SCHOLARSHIPS, established by the Board of Trustees of Dickinson College, each totalling \$1200, available at the rate of \$300 per year for each year the recipient maintains superior scholarship at the College, are awarded annually by the scholarship committee.

McLaughlin, Margaret S. ....	Senior
McMullin, Carolyn D. ....	Senior
O'Gorman, Francis J., Jr. ....	Senior
Stromback, Frances S. ....	Senior
Swain, Elizabeth A. ....	Senior
Barrick, Mac Eugene ....	Junior
Rutherford, Henry J. ....	Junior
Boffemmyer, Barbara L. ....	Sophomore
Dietrich, Kenneth E. ....	Sophomore
Matta, John A. ....	Sophomore
Sky, Theodore ....	Sophomore
Levin, Joel ....	Freshman
Roberts, Joyce ....	Freshman
Safer, Jan ....	Freshman
Schwartz, Laurence ....	Freshman

## Scholarships, Grants-in-Aid, and Loan Funds

The college provides several types of assistance for worthy students in financial need. A number of special loan and scholarship funds have been established over the years by friends of the college, awards from which are made by the donors or by the President on the basis of merit and need. Supplementing these funds, the college annually sets aside from its budget a sum to be used for the several forms of student aid described below.

SCHOLARSHIP AWARDS are made to certain outstanding students with due consideration given to need.

GRANTS-IN-AID are available to students who offer high promise of usefulness but who have not achieved scholastic distinction. Such awards are restricted to those who cannot meet the full expense of their college program through incidental employment without serious detriment to their academic work.

STUDENT LOANS are available in limited number to students in good standing. These funds, which are intended only for those students who have an unusual financial problem, may be used to supplement a scholarship or grant-in-aid.

All forms of financial help are awarded for one year only; but, conditioned on good scholarship, character, and promise of usefulness, they may be extended through the four years of college. Financial aid is not continued to students on probation and may be withdrawn at any time at the discretion of the President.

Complete information concerning these several types of financial assistance can be obtained from the Office of the Dean.



*Foreign Scholarships*

Dickinson College offers a limited number of scholarships covering tuition, room and books to students from foreign countries. Applications for scholarships may be made directly to the College or through The Institute of International Education, 2 West 45th Street, New York, N. Y.

*Foundation Scholarships*

NATIONAL METHODIST SCHOLARSHIPS are available to a number of students. These scholarships are based on recommendation from the pastor of the student's home church, interest and experience in Methodist activities and high scholarship. Applications for these scholarships should be made to the President's Office of the College.

THE PITCAIRN-CRABBE FOUNDATION of Pittsburgh, Pennsylvania, has made available two scholarships of \$250.00 each, to be awarded annually by the President of the College on the basis of need and promise, to students who are the sons or daughters of clergymen, teachers, public servants, or other persons who are engaged in serving the public welfare.

Awarded, 1953, to Carolyn D. McMullin, Drexel Hill, and Samuel J. Huffard, Upper Darby.

*Endowed Scholarships*

THE BALDWIN MEMORIAL CHURCH SCHOLARSHIP FUND of \$1,000, established in 1917.

THE BEAVER MEMORIAL METHODIST CHURCH, Lewisburg, Pa., scholarship of \$50, established in 1942.

THE M. GRACE BECHTEL MEMORIAL—The interest on a \$1,000 endowment to be paid annually to that student of the College who is preparing for entrance into the Christian ministry of the Central Pennsylvania Conference of the Methodist Church.

THE BODINE SCHOLARSHIP of \$50, established in 1907 by the \$1,000 gift of George I. Bodine, Jr., Esq.

THE GEORGE L. BROWN FUND, established under the will of the late George L. Brown, M.D., of Lucknow, Pa., amounting to \$22,500, provides that the income be applied to the tuition in order of preference, first, of male students from Middle Paxton Township, Dauphin County, Pa.; secondly, of male students from Susquehanna Township, Dauphin County, Pa.; and lastly, of other worthy and eligible boys.

CENTRAL PENNSYLVANIA METHODIST CONFERENCE SCHOLARSHIP FUND, the income to be used as scholarships for members of churches of the Central Pennsylvania Methodist Conference.

THE CLASS OF 1909 SCHOLARSHIP FUND, the interest on an accumulating fund which was presented to the College on the thirty-fifth reunion of the class, and, on June 30, 1946, amounted to \$1223.11, available in the form of scholarship-loan aid to students by appointment of the President of the College, preference to be given to any descendant of a member of the Class of 1909.

THE CLASS OF 1914 SCHOLARSHIP, the interest on an accumulating fund which was presented to the College on the 25th reunion of the class, and on June 30, 1949, amounted to \$1,700.26, available in the form of scholarship aid to students, by appointment of the President of the College.



THE CLASS OF 1915 SCHOLARSHIP, the interest on a fund presented to the College on the thirtieth reunion of the class on June 3, 1945, amounting to \$3,000, available in the form of scholarship aid to students by appointment of the President of the College, preference to be given to any descendant of a member of the Class of 1915.

THE CLASS OF 1917 SCHOLARSHIP, the interest on a fund presented to the College on the thirtieth reunion of the Class on June 7, 1947, amounting to \$1,897.40, to be awarded annually by the President of the College, preference to be given to any descendant of the Class of 1917.

THE CLASS OF 1918 SCHOLARSHIP, the interest on a fund presented to the College on the thirtieth reunion of the Class on June 5, 1948, amounting to \$1,000 to be awarded annually by the President of the College, preference to be given to any descendant of the Class of 1918, and when unassigned, to be used for the operating costs of the College.

THE CLASS OF 1921 SCHOLARSHIP, the interest on a fund presented to the College on the twenty-fifth reunion of the class on June 8, 1946, amounting to \$2,350, to be awarded by the President of the College, preference to be given to any descendant of the Class of 1921.

THE CLASS OF 1922 MEMORIAL FUND, the interest on a fund presented to the College on the twenty-fifth reunion of the Class on June 7, 1947, amounting to \$1,208, the income to be used for such college purposes as the President of the College shall consider to be the greatest need with preference first to the library and then to scholarship grants.

THE CLASS OF 1928 SCHOLARSHIP, the interest on a fund presented to the College on the twenty-fifth reunion of the class in June, 1953, amounting to \$2,600, to be awarded annually by the President of the College, preference to be given to any needy descendant of the Class of 1928, and when unassigned to be used for such college purposes as the President of the College shall consider to be the greatest need.

THE JOSEPH AND MARY STRONG CLEMENS SCHOLARSHIP FUND of \$2,500 was established in 1934 by Joseph Clemens, Class of 1894, the income therefrom to be used as scholarship or scholarship-loan aid for the benefit of students of the College who are students for the ministry of the Methodist Church to be selected by the President of the College as needy and worthy.

CARRIE A. W. COBB SCHOLARSHIP FUND of \$5,000, in memory of the Reverend Charles H. Rorer, D.D., because of his abiding interest in the College, his Alma Mater, the income of which is to be awarded by the College to aid students preparing for the ministry.

THE NATHAN DODSON CORTRIGHT MEMORIAL SCHOLARSHIP FUND of \$5,000 established by Mrs. Emma L. Keen, of Philadelphia, as a memorial to her father, Nathan Dodson Cortright, is used to aid young men preparing for the ministry.

THE SMITH ELY SCHOLARSHIP, endowed in 1910 by the Hon. Smith Ely, of New York City, in the sum of \$1,100, students from New York City and vicinity having prior claim.

THE FAYETTE STREET METHODIST CHURCH OF BALTIMORE, MARYLAND, SCHOLARSHIP FUND of \$1,000, the income from which is awarded annually, preference being given to the recommendation of the trustees of the Fayette Street Methodist Church.

THE ROBERT M. FERGUSON, JR., MEMORIAL SCHOLARSHIP FUND of \$2,000, the gift of Grace C. Vale, '00.



THE FREEMAN SCHOLARSHIP of \$50, established by the \$1,000 gift of Frank A. Freeman, Esq., of Philadelphia.

THE MELVILLE GAMBRILL MEMORIAL FUND of \$50,000, the gift of Melville Gambrill, of Wilmington, Delaware, a former trustee of the College, the income from which is used to provide education for young men preparing for the ministry.

THE JOHN GILLESPIE MEMORIAL SCHOLARSHIP interest of \$1,000, the gift of Miss Kate S. Gillespie, daughter of John Gillespie, Esq., late of Philadelphia, in 1911, as a memorial to her father.

THE JOHN H. HACKENBERG SCHOLARSHIP was endowed in 1940 by the gift of \$2,000 of the Rev. John H. Hackenberg, D.D., and his wife, the interest to go annually to help some worthy young man preparing for the Methodist ministry.

THE HAVERSTICK AND SNAVELY SCHOLARSHIP, income from an annuity fund of \$1,000, designated for endowment of a scholarship in 1910.

THE J. FRED HEISSE SCHOLARSHIP FUND of \$2,500 was established in 1925 by his brother, E. W. Heisse, of Baltimore. The proceeds of the fund are awarded from year to year to such student or students as may be named by the donor, or on his failure to nominate, by the President of the College.

THE HORN SCHOLARSHIP, income from \$1,000, contributed in 1917 by J. Edward Horn, of Philipsburg, Pa., to be awarded to some worthy student of the College preparing for useful service.

THE BRUCE HUGHES SCHOLARSHIP. Established in 1917. The income from \$950.

THE WILLIAM ALBERT HUTCHISON SCHOLARSHIPS, the income from a fund of \$2,740, presented to the College by the Conway Hall Alumni Association on June 7, 1947, in memory of Dr. William A. Hutchison, headmaster of Conway Hall Preparatory School, to be awarded by the President of the College, preference to be given to descendants of former students of Conway Hall.

THE ALBANUS CHARLES LOGAN MEMORIAL SCHOLARSHIP FUND of \$5,259, the gift of Maria Dickison Logan, of Philadelphia, the income to be used as a scholarship at the College for some worthy young man, preference being given to a graduate of the Germantown High School.

THE HENRY LOGAN SCHOLARSHIP FUND of \$2,550, the gift of Henry Logan, of the Class of 1910, of Brookdyn, N. Y., the income therefrom to be awarded annually by the President of the College to a needy and worthy student upon the recommendation of the donor during his lifetime.

THE RICHARD H. MCANDREWS SCHOLARSHIP, the income from a fund of \$1,096, presented to the College on June 7, 1947, by the Wearers of the "D" to create a memorial to Assistant Professor R. H. McAndrews of the Department of Physical Education, to be awarded annually by the President of the College.

THE CHARLES WATSON MCKEEHAN SCHOLARSHIP FUND of \$8,425.11, established under the wills of Mary A. McKeehan and Charles L. McKeehan in memory of their husband and father, Charles Watson McKeehan, of the Class of 1867, a trustee of the College 1879-1895.

C. H. MASLAND & SONS SCHOLARSHIPS, established in 1945 by the \$20,000 gift of C. H. Masland & Sons, manufacturers, of Carlisle, Pa., awarded annually with preference given to children of employees of C. H. Masland & Sons, then to residents of Carlisle or adjacent territory, and lastly to any other needy and worthy student.



THE ARTHUR MILBY SCHOLARSHIP of \$50, established in 1911 by the \$1,000 gift of Miss Mary R. Burton, for the education of worthy young men for the ministry.

THE THEODORE F. MILLER SCHOLARSHIP of \$50, the income from the \$1,000 gift of Theodore F. Miller, Esq., of Philadelphia in 1928.

THOMAS MONTGOMERY SCHOLARSHIP FUND of \$6,030, the gift of Colonel Robert H. Montgomery, LL.D., in memory of his father, Thomas Montgomery, a member of the Class of 1851.

THE MARLIN E. OLMSTED SCHOLARSHIPS, established in 1925 by Mrs. Marlin E. Olmsted (Mrs. Vance C. McCormick) in memory of her late husband, Marlin E. Olmsted, an honorary alumnus of the College. The scholarships, the proceeds of a capital fund of \$5,000, shall be given each year in the discretion of the President of the College, to such students of good mind, good character, and studious habits as seem to need them for the successful continuance of their course in College.

THE VALERIA SCHALL SCHOLARSHIP of \$75, proceeds of a \$1,500 fund, is used in assisting such young men as, in the estimation of the President and Faculty of the College, are of good character, scholarly habits, and deserving of assistance, and who are approved candidates for the Methodist ministry.

THE CHARLES T. SCHOEN SCHOLARSHIPS, ten in number, of \$50 each, established by the \$10,000 gift of the late Charles T. Schoen, of Philadelphia, are awarded annually to such young men and women as the President may designate.

THE ARNOLD BISHOP AND MARY AGNES SHAW SCHOLARSHIP, the annual income from \$1,250, the contribution of their children, Miss Clara W. Shaw, Mrs. Bertha Shaw Nevling, Mrs. Jeanne Shaw Bailey, Calvin Bishop Shaw, Charles M. Shaw. The donors may designate annually some worthy young person in the College in need of financial help.

JAMES ROSS SNOWDEN SCHOLARSHIP FUND, created in the will of Mary T. Snowden Stansfield, of Philadelphia, Pa., by the bequest of \$10,000 for the endowment of a scholarship of law in memory of her father, the son of the Rev. Nathaniel Randolph Snowden, a trustee of the College from 1794 to 1827.

THE WILLIAM M. STAUFFER SCHOLARSHIP FOUNDATION.—The bequest of \$950 of W. M. Stauffer, of Reading, Pa., in 1917, "to be invested as a special scholarship endowment, the income to be used for the benefit of some deserving student."

THE CAPTAIN JOHN ZUG STEESE SCHOLARSHIP, the interest on a \$1,000 endowment, the gift of his mother, Mrs. Anna Zug Schaeffer Steese, of Mt. Holly Springs, Pa., who has sent four sons to Dickinson, all of whom later served their country with distinction as commissioned officers of the army during the World War; to be awarded annually by the President of the College to some young man who has completed his Sophomore year in the upper third of his class, excelling especially in mathematics; who has engaged successfully in athletics, music, dramatics, or other extra-curricular activities and to whom financial aid would be a real assistance in helping him to continue his college course. The recipient shall write a brief note of acknowledgment to the donor or to her estate outlining his previous education and experience.

THE ALBERT AND NAOMI WATSON SCHOLARSHIP FUND of \$3,000, the gift of Mr. and Mrs. Albert Watson, of Carlisle, Pa., the income therefrom to be awarded annually by the President of the College to a needy and worthy student, preference to be given to a resident of Carlisle.

THE M. WILLIAM WEDELL SCHOLARSHIP FUND of \$15,000, established in 1948 through a gift of Meta Hofer, of Brooklyn, N. Y., in memory of her brother, M.



William Wedell. The income therefrom is assigned annually in the form of a scholarship or several scholarships by the President of the College and when unassigned is used for the operating needs of the College.

M. HELEN LEHMAN WHITMOYER MEMORIAL FUND of \$1,000, the gift of Raymond B. Whitmoyer of the Class of 1913 in memory of his deceased wife, M. Helen Lehman Whitmoyer of the Class of 1911.

THE ELLA STICKNEY WILLEY SCHOLARSHIP of \$50, established by the \$1,000 gift of Mrs. Ella Stickney Willey, of Pittsburgh, Pa., is awarded annually to such students as may be designated by the donor or by the President.

THE ANNIE WINDOLPH SCHOLARSHIP FUND of \$10,750 established by the bequest of Annie Windolph, the income of which is available to a student or students taking pre-dental work.

THE REV. WILLIAM WOOD SCHOLARSHIP of \$100, the income from the \$2,000 gift of Miss Sarah Wood, of Trenton, N. J., is awarded annually to such student as may be designated by the donor or by the President.

JOHN L. YARD SCHOLARSHIP FUND received in 1945 by a request totalling \$4,172.94 to establish three memorial scholarships in memory of testator's wife, Emmeline Matilda Van Rensselaer Yard, to be given each year at the discretion of the President of the College to students of good mind, good character and studious habits, preference to be given to students desiring to enter the ministry who seem to need financial aid for the successful continuance of their courses in college.

THE CHARLES K. ZUG MEMORIAL FUND.—A fund of \$5,000 given in January 1930, by the late Lemuel Towers Appold, Esq., Class of 1882, of Baltimore, in memory of his intimate friend, Charles K. Zug, of Philadelphia, Class of '80, Phi Beta Kappa, a member of the Alumni Council, and for many years a faithful friend and trustee of the College. The income from this fund to be used at the discretion of the President in granting scholarship aid to worthy young men students.

### *Unendowed*

THE DICKINSON CLUB OF WASHINGTON SCHOLARSHIPS of \$150 each are provided by current gifts of alumni and candidates are nominated by officers of the club.

Awarded, 1953-54, to Walter J. Beach, Washington, D. C.

### *Loan Funds*

THE CORNELIA C. THUMM FUND, \$950, the legacy of Mrs. Cornelia C. Thumm, of Philadelphia, 1896, the annual interest on which is to be used for the benefit of some needy student or students of the College, the conditions of appointment and the selection of beneficiaries to rest with the President.

THE EMILY MAY PHELPS ATWOOD LOAN FUND, of \$6,051.50, established in 1942 by her parents, Mr. and Mrs. Andrew H. Phelps, to aid worthy students.

THE CLARA RIEGEL STINE FUND of \$4,457.26, the legacy of Clara Riegel Stine, of Mechanicsburg, Pa., held in trust by the Pennsylvania Company for Insurances on Lives and Granting Annuities of Philadelphia, to be used to assist in education of needy and worthy students studying for the ministry of the Methodist Church, under a loan plan.

MARIA ELIZABETH VALE STUDENTS' SELF-HELP FUND.—The income from a fund of \$13,564.21, the gift of Ruby R. Vale, Esq., of the Class of '96, in memory of his daughter, now deceased; because of his affection for his Alma Mater, and of his de-



sire to aid worthy students at the College needing temporary help. Administered by the President with permission to lend \$100 to \$200 per year to an individual, but not to exceed \$400 to anyone during the College course.

AMERICAN BANKERS ASSOCIATION FOUNDATION FOR EDUCATION IN ECONOMICS LOAN SCHOLARSHIP.—One loan scholarship of \$250 per year. Consult the Treasurer of the College.

BOARD OF EDUCATION OF THE METHODIST CHURCH STUDENT LOAN FUND.—Open to members of that Church of at least one year's standing, \$150 in the Freshman year, \$200 in the Sophomore year, \$250 in the Junior year, and \$300 in the Senior year. The total borrowings must not exceed \$750.

CENTRAL PENNSYLVANIA CONFERENCE LOAN FUND.—Consult the Treasurer of the College. The maximum per year for a student is \$150, and the total amount loaned to any one person is limited to \$600, during the college course. Five cash scholarships per year of \$100 each are also available from this fund.

LOAN FUND OF THE HARRISBURG ALUMNAE CLUB.—The sum of \$50 given in May, 1932, as the beginning of a revolving fund, to be applied to the aid of deserving students who are in need of assistance in meeting their college expenses.

THE PRESIDENT'S LOAN FUND.—A fund for temporary small loans in cases of emergency. The principal of the fund, contributed by the alumni, is used as directed by the President of the College.

### *Student Employment*

Opportunities are available for a number of students to meet part of their expenses by regular work in certain of the college offices and facilities. The award of a scholarship, grant-in-aid, or loan does not preclude the student's receiving part-time employment through the college. Applications for such positions may be made to the Treasurer, who will satisfy the request in accordance with the student's need and abilities and the positions available.

Students of the College may be eligible for other loan funds which are not administered by the College. Information concerning such funds can be given by the College Treasurer.



# Degrees Conferred by the College

## COMMENCEMENT

June 7, 1953

### I. HONORIS CAUSA

DOUGLAS MCKAY .....	<i>Doctor of Laws</i>
JOHN CARLISLE ARNOLD .....	<i>Doctor of Laws</i>
HOBART MUNSON CORNING .....	<i>Doctor of Science</i>
JOHN MCKENNEY MITCHELL .....	<i>Doctor of Science</i>
HOWARD EUGENE MOSES .....	<i>Doctor of Science</i>
BURNETT OLCOTT MCANNEY .....	<i>Doctor of Literature</i>
WILLIAM VERNON MIDDLETON .....	<i>Doctor of Divinity</i>

### II. IN CURSA

#### A.B.—Bachelor of Arts

Adourian, Edward Nichols, Jr. ....	Wynnewood
Albright, Gretchen Ann .....	Harrisburg
Anderson, Philip John .....	Washington, D. C.
Antillon, Alvar O. ....	San Jose, Costa Rica
Balitsaris, Arthur Peter .....	Pittsburgh
Bishop, Elizabeth Ann .....	Camp Hill
Bonwit, Theodore Ralph .....	Pikesville, Md.
Bostock, George Henry .....	Carlisle
Boyd, Ann Livingston .....	Plymouth Meeting
Bradley, Patricia Anne .....	Philadelphia
Brown, Paul Joseph, Jr. ....	York
Brugler, Ray Bunnell .....	Lewistown
Butera, Harry Kenneth .....	Norristown
Chace, Shirley Jane .....	Tuckahoe, N. Y.
Clouse, Joyce Ann .....	Waterside
Conrad, Renee Reed .....	Camp Hill
DiOrio, Joseph F., Jr. ....	York
Duncan, Willard Richardson .....	Seabright, N. J.
Ecker, Carole Arden Dombro .....	Pittsburgh
Engel, Henry Charles, Jr. ....	Towson, Md.
Fickes, Paul Allen .....	Harrisburg
Fosnocht, Elizabeth Alice .....	Birdsboro
Fox, Barbara Ann .....	Havertown
Fredericks, Phyllis Hood .....	West Grove
French, Josiah Donald .....	Lansdowne
Garber, Burton .....	Brooklyn, N. Y.
Good, Julia Alma .....	York
Goodier, John Jefferis .....	Vineland, N. J.



Graves, Donald Edward	Carlisle
Greene, Edward J.	Frackville
Greenway, Hiram Nathaniel	Carlisle
Haddock, Helen Patricia	Wilmington, Del.
Hamilton, Charles Bietsch	Pittsburgh
Hamilton, Ellen Wallace	Braddock Heights, Md.
Hamilton, George Danner	Pittsburgh
Hanahan, John Joseph	Philadelphia
Harrison, Frank Thomas, 3rd	Drexel Hill
Heist, Robert B.	Reading
Heller, Donald K.	Port Chester, N. Y.
Hering, George Clark, III	Wilmington, Del.
Hershey, Robert Small	Lemoyne
Heymann, Marjorie Edith	Pittsburgh
High, Robert Marks	Washington, D. C.
Hill, Elva Lou	Scranton
Hollinger, Elizabeth Ann	Lancaster
Hooton, Mark O.	New Carlisle, Ind.
Hubbard, Jessie May	Moorestown, N. J.
Irwin, Mary Ellen	Emmaus
Irwin, Roger Bayley	Carlisle
Izawa, Nobuko	Kamakura-shi Kanagawa-ken, Japan
Jaffe, Norman David	Butler
Jones, Gomer William	Shamokin
Jones, Patricia	Mt. Holly Springs
Jordan, Kathryn Gleim	Mechanicsburg
Kanaley, Robert Leon	Port Crane, N. Y.
Kearns, Richard Lewis	Beavertown
Kendi, Paul William, Jr.	Mt. Pleasant
Keuch, Robert Lacey	Hazleton
Knox, Garrison Porter, Jr.	Eddystone
Kollas, William Charles	Carlisle
Kort-Kamp, Patricia	Atlanta, Georgia
Kurtz, Martha Meyers	Clearfield
Lafferty, John Peter, III	Altoona
Leonard, Walter M., Jr.	Pittsburgh
Levine, Beatrice	Flushing, Long Island, N. Y.
Link, Charles R.	Shenandoah
Lord, Thomas Parsons	Delanco, N. J.
McCarthy, Betty Belle	Carlisle
McCartney, Francis Fred	Dry Run
McIlvaine, Jean Gallagher	Short Hills, N. J.
McIlvaine, John Smith	Washington
McIntosh, Margaret	Huntingdon Valley
McWhinney, Norman Nebo	Munhall
Mackie, James Watson	Wilmington, Del.
Manson, Marjorie Elizabeth	Crawfordsville, Ind.
Masten, Donald Lister	Penns Grove, N. J.
Middleton, Elizabeth King	Merchantville, N. J.
Millian, Ronald Andrew	Washington, D. C.
Mitzell, Channing Eugene	York
Negley, Paul Leon, Jr.	Lemoyne
Pagan, Bruce Stanley	Brooklyn, N. Y.
Phillips, Raymond C., Jr.	Williamsport
Prescott, Ann Louise	Venice, Florida



Pritchard, James Lewis	Perkasie
Rein, Loma Garland	North East
Ritt, Stephen Alan	Overbrook Hills
Roginsky, John Alexander	Avoca
Sasscer, Roland Russell	Cheltenham, Md.
Scarle, William Henry	East Lansdowne
Schwerdtle, John Burn	Stepney, Conn.
Sciotto, Evelyn Lucile	Johnstown
Scott, George Armond	Philadelphia
Shapido, E. Donald	York
Shelley, Mary-Edythe	Steelton
Sherwood, Virgil	Spangler
Shortlidge, Caroline Syng	Paoli
Skinner, Carl Frederick	Easton
Skrapits, Frank Mathias	Northampton
Slifer, Willard Fenton, Jr.	Hagerstown, Md.
Slingland, George Whiteman	Glen Rock, N. J.
Smith, John C.	Morton
Smith, Kelsey O.	New Cumberland
Spence, Robert LeRoy	Carlisle
Stiner, Allan E.	Bristol
Tompkins, Edwin Wilford, Jr.	Emporium
Trickett, John Flock	Ardmore
Weeks, Arthur DeWitt	Manchester
Weidner, Delmar Lester	New Cumberland
Weis, Martha Lee	Atlantic Highlands, N. J.
Weiss, Emil Reginald	Bloomfield, N. J.
Whitson, Robert Frey	Briar Cliff, N. Y.
Wickard, George Jacob	Carlisle
Wise, Robert Jury	Berwick
Yoshizaki, Julie Tamiko	Seabrook, N. J.
Wynekoop, Richard Charles	Carlisle
Young, Thomas Hunter, Jr.	Havertown
Zilenziger, David Whiteside	Wynnewood
Zuber, Stephane Primevere	Colmar, Haut-Rhin, France

### Sc.B.—Bachelor of Science

Alley, Ali Abbas	Berwick
Allman, Robert Mayer	Atlantic City, N. J.
Au, Edward Tai Kim	Honolulu, Hawaii
Banfield, Nellie Ray	Fayetteville
Barber, Donald Edward	New Cumberland
Bartsch, Oda	Hamburg, Germany
Bauer, Harold Eugene	Riverton, N. J.
Bermas, Edward Mitchell	New Rochelle, N. Y.
Clovis, William Leroy	Waynesburg
Derbyshire, Jane Elizabeth	Oreland
Garey, Herman Sharpe	Scranton
Gasull, Henry Robert, Jr.	Lemoyne
Gates, Claude Lester, Jr.	Mattawana
Gettig, Joan Elizabeth	Everett
Gwynn, Virginia	Drexel Hill
Harvey, Kenneth Lee	Newville
Hilbert, Edward Jacob, Jr.	Hanover



Houser, James Howell	Lewistown
Mattas, R. Barbara	Altoona
Matz, Martin Henry	Margate City, N. J.
Newman, Edward Joseph	East Stroudsburg
Perkins, Joel Stacy	Narberth
Pileggi, Anthony Joseph, Jr.	Ocean City, N. J.
Rhodes, Caroline Thomas	Harrisburg
Rotz, Clifford Theodore, Jr.	Chambersburg
Sabol, John Robert	Port Carbon
Sell, Thomas Carl	Roaring Spring
Stevens, George Black, III	Tyrone
Swenson, John Arnold	Wynnewood
Vittrup, John Frederick	Kew Gardens, Long Island, N. Y.

### Honors Conferred, 1953

#### ELECTED TO PHI BETA KAPPA

George Henry Bostock, Jr.	*Norman David Jaffe
William LeRoy Clovis	Mary Kathryn Gleim Jordan
*Elizabeth Alice Fosnocht	Richard Lewis Kearns
Joan Elizabeth Gettig	Martin Henry Matz
Donald Edward Graves	*Erwin Donald Shapiro
Edward Joseph Greene	*Julie Tamiko Yoshizaki

#### FIRST HONORS

George Henry Bostock, Jr.	Richard Lewis Kearns
Elizabeth Alice Fosnocht	Erwin Donald Shapiro
Norman David Jaffe	Julie Tamiko Yoshizaki

#### SECOND HONORS

William LeRoy Clovis	Edward Joseph Greene
Joan Elizabeth Gettig	Mary Kathryn Gleim Jordan
Donald Edward Graves	Martin Henry Matz

#### SENIOR SOPHISTER

Margaret Elizabeth Zinck

#### JUNIOR SOPHISTER

Howard Eckert Davis

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\* Elected February, 1953.



# Register of Students

## STUDENTS FROM OUTSIDE THE UNITED STATES

Dickinson College each year welcomes a number of students from outside the United States. Those who are on the campus for the year 1953-'54 include:

Asato, Hajime .....	Kitanakagusuku, Okinawa
Chun, Chu Hwa .....	Seoul, Korea
Condon, Joan F. ....	Havana, Cuba
Dessau, Erling .....	Copenhagen, Denmark
Franz, Erhart .....	Vienna, Austria
Gabcke, Gunda .....	Berlin-Steglitz, Germany
Kabayama, Noritsugu .....	Oisco, Kanadawa, Japan
Keller, Jutta .....	Berlin, Germany
Kuprijanow, Alex .....	Berlin, Germany
Lemberg, Klaus T. ....	Hamburg-Flottbek, Germany
Lim, Donald .....	Singapore, Malaya
Lim, Richard .....	Singapore, Malaya
Meares, Denise Buell .....	Jersey Channel Islands, England
Palmer, John F. ....	Havana, Cuba
Reens, Louis H. ....	Amstelveen, Holland
Von Szakats, Paul Stefan .....	Budapest, Hungary
Whitehouse, Robert B. ....	Barrilaco-Lomas, Mexico

(NOTE:—The date given in each case is the date of admission)

Abrams, Marvin D., Chester .....	1952
Ackroyd, Robert A., East Orange, N. J. ....	1952
Adams, Lynn I., Fannettsburg .....	1951
Adler, Herbert M., East Orange, N. J. ....	1951
Albert, Frank J., Jr., Philadelphia .....	1953
Allegretto, Donald P., Johnsonburg .....	1952
Alley, Amin A., Berwick .....	1950
Alley, Richard A., Berwick .....	1953
Alley, Samie A., Berwick .....	1951
Allison, David A., Altoona .....	1951
Allmond, Bayard W., Jr., Wilmington, Del. ....	1952
Anderson, Patricia, Hyde, Md. ....	1953
Anderson, Barbara C., Towson, Md. ....	1953
Anderson, J. David, Westfield, N. J. ....	1952
Anderson, Patricia L., Glen Ridge, N. J. ....	1950
Anderson, Sarah W., Gaithersburg, Md. ....	1952
Antes, Mary F., Canton, Ohio .....	1952
Appleyard, E. Lorraine, Yonkers, N. Y. ....	1952
Arena, Carmelo, Paulsboro, N. J. ....	1952
Armour, Ellen C., Philadelphia .....	1953
Armstrong, William W., Pittsburgh .....	1953
Arnold, Leon E., East Stroudsburg .....	1952
Arny, Jane E., Carlisle .....	1953
Arny, Mary L., Carlisle .....	1953
Ashworth, Edward R., Johnstown .....	1950
Auman, Theodore C., Wyomissing .....	1953
Avery, Ruth J., Jackson Heights, N. Y. ....	1952



Badenhoop, Robert E., Baltimore, Md. ....	1951
Bailey, Robert L., Asbury Park, N. J. ....	1953
Baird, Elizabeth A., Milltown, N. J. ....	1952
Baker, Paul W., Jr., Haddonfield, N. J. ....	1953
Baker, Victor J., Brooklyn, N. Y. ....	1951
Balla, Alma M., Nanticoke ....	1951
Baner, Albert L., Syracuse, N. Y. ....	1953
Banks, Bernard C., Jr., Harveys Lake ....	1953
Baran, Wilma I., Beaver Meadows ....	1951
Baratta, John B., Ventnor City, N. J. ....	1951
Baric, Lee W., Carlisle ....	1952
Barilar, Albert A., Anita ....	1952
Barnard, Ann R., Camp Hill ....	1950
Barnes, Ward E., Pittsburgh ....	1951
Barnhart, Earl M., Irvona ....	1950
Barr, Patricia L., Lancaster ....	1952
Barrack, Mac E., Carlisle ....	1951
Bartels, Betty G., Ho-Ho-Kus, N. J. ....	1953
Bartlett, Myrta A., Rockford, Ill. ....	1952
Bartley, Barbara E., Chestertown, Md. ....	1952
Bartoli, Marie A., Carlisle ....	1952
Barton, Frederick L., York ....	1952
Bashore, Barbara A., Tremont ....	1952
Batt, Marvin A., Philadelphia ....	1953
Bauer, Katherine A., Royal Oak, Md. ....	1953
Baumanis, Aivars, Warren ....	1951
Baumeister, R. Eileen, York ....	1951
Beach, Allen E., Washington, D. C. ....	1951
Beach, Walter E., Washington, D. C. ....	1952
Bean, Edith H., Denton, Texas ....	1951
Beamon, Roger L., Havertown ....	1953
Beatty, William C., Glenn Mills ....	1952
Beaver, Robert P., Altoona ....	1950
Beckley, Thomas A., Williamsport ....	1951
Beckwith, Walter H., Smyra, Del. ....	1953
Belfield, Walter W., Lansdowne ....	1951
Bell, Ann, Fair Lawn, N. J. ....	1950
Belt, Alan P., Jr., Mamaroneck, N. Y. ....	1952
Bender, Mary L., Pittsburgh ....	1953
Bennett, Dean J., Jr., West Haven, Conn. ....	1952
Bennett, Gordon C., Haddon Heights, N. J. ....	1953
Bennett, Stephen W., Laurelton, L. I., N. Y. ....	1950
Benson, Stephen D., Wyncote ....	1953
Berchet, Anne D., Wilmington, Del. ....	1952
Beveridge, Robert E., New Kensington ....	1951
Bidden, Diana G., Barrington, R. I. ....	1953
Binning, Barbara K., Hollis, N. Y. ....	1951
Birkmeyer, John F., Baltimore, Md. ....	1950
Blackman, Carolyn J., Bogota, N. J. ....	1951
Blandford, Marguerite L., Pittsburgh ....	1953
Block, Jerome L., Philadelphia ....	1950
Boffemmyer, Barbara I., Media ....	1952
Bolam, Paul F., Knox ....	1951
Bond, Arthur S., Orange, N. J. ....	1951
Bonnette, Richard D., New Rochelle, N. Y. ....	1953



Boots, Edmund K., New York, N. Y. ....	1952
Boresch, Patricia A., Rahway, N. J. ....	1952
Borus, Mark A., New York, N. Y. ....	1953
Boskovich, Peter, Lebanon ....	1952
Bostock, Mary E., Carlisle ....	1952
Bowman, Roberta R., Lemoyne ....	1951
Boyer, Robert L., Tamaqua ....	1953
Boyle, Elaine White, Carlisle ....	1953
Boys, Doris A., Wilmington, Del. ....	1950
Brasaemle, Margaret A., Norristown ....	1953
Breen, Leah A., Carlisle ....	1953
Brennfleck, Barbara L., Trenton, N. J. ....	1950
Brillhart, A. Elizabeth, York ....	1953
Brilliant, Alan D., Camden, N. J. ....	1953
Brilliant, David, Camden, N. J. ....	1951
Britton, William W., III, Lemoyne ....	1950
Broske, Blanche C., Montgomeryville ....	1953
Brooks, Cody H., Scranton ....	1951
Brooks, Robert W., Williamsport ....	1950
Brown, Barry D., Haddonfield, N. J. ....	1952
Brown, George S. T., Mechanicsburg ....	1952
Brown, Marvin V., Jr., Parkersburg, W. Va. ....	1950
Brown, Olga V., Baltimore, Md. ....	1953
Brown, Robert A., Pittsburgh ....	1950
Brown, Ronald A., Pittsburgh ....	1953
Brown, Ross E., Verona, N. J. ....	1950
Brownawell, Marlin N., Allen ....	1951
Bruce, Gail K., Fair Lawn, N. J. ....	1950
Bruce, Virginia T., Carlisle ....	1953
Buckingham, Walter W., Oneonta, N. Y. ....	1952
Buckler, Wende, Baltimore, Md. ....	1953
Buechner, Marie A., Woodhaven, N. Y. ....	1951
Bukovits, John A., Northampton ....	1952
Burgard, Carlyn A., Dillsburg ....	1952
Burgess, Irene V., Millville, N. J. ....	1953
Burket, Barbara L., Altoona ....	1951
Burkhart, J. Paul, II, Carlisle ....	1952
Burrowes, Robert D., Birdsboro ....	1953
Bush, Donald P., Jr., West Orange, N. J. ....	1950
Cable, Robert L., Schellsburg ....	1950
Callister, Herbert J., II, Brooklyn, N. Y. ....	1951
Campanelli, Francisco, South Plainfield, N. J. ....	1953
Cappello, Joan, Dover, N. J. ....	1950
Caretto, Jeanne R., New York, N. Y. ....	1951
Carey, Robert T., West Wyoming ....	1951
Carl, Edward J., Camp Hill ....	1946
Carlson, Jean H., West Orange, N. J. ....	1952
Carney, Frank L., Johnstown ....	1950
Carpenter, Nancy L., Glyndon, Md. ....	1953
Caruso, A. Brooke, Harrisburg ....	1951
Cassel, Jack H., Mechanicsburg ....	1953
Caswell, Frank M., Jr., Lahaska ....	1952
Cautilli, Richard A., Philadelphia ....	1950
Chamberlain, Clarence F., Jr., Montclair, N. J. ....	1950
Chambers, Nancy, Media ....	1952



Chandler, Jane, Wilmington, Del. ....	1951
Chase, Virginia, Newtonville, Mass. ....	1953
Chatkin, William C., Hagerstown, Md. ....	1950
Cheche, Lois T., New Castle, Del. ....	1952
Chell, Eugene P., Paulsboro, N. J. ....	1951
Christensen, Marilyn A., Springfield, N. J. ....	1951
Clapp, William T., II, Camp Hill ....	1948
Clark, Albert L., Harrisburg ....	1951
Cleveland, Margaret F., Kensington, Md. ....	1953
Cocks, Virginia B., Lansdowne ....	1953
Cohen, Robert B., Margate, N. J. ....	1950
Cohen, Robert H., Vineland, N. J. ....	1935
Colbus, Lowell, Altoona ....	1952
Cole, Donaldson C., Jr., Perryville, Md. ....	1952
Coleman, Roger S., New York, N. Y. ....	1949
Colquhoun, Edward W., Hammond, Ind. ....	1952
Cominsky, A. Albert, Windber ....	1952
Comly, William B., Jr., Philadelphia ....	1950
Compton, Gayle D., Harrisburg ....	1950
Conhagen, Ruth E., West Allenhurst, N. J. ....	1952
Connelly, Marjorie, San Francisco, Calif. ....	1952
Connor, James P., Wilkes-Barre ....	1953
Cook, Cardell B., Lancaster ....	1950
Cook, Jean F., Lancaster ....	1950
Cook, Walter F., Elverson ....	1950
Cooke, Edith F., White Plains, N. Y. ....	1951
Coover, Donald L., Camp Hill ....	1952
Corl, Frederick W., Jr., Harrisburg ....	1950
Corman, William M., Danville ....	1953
Costenbader, Ruth M., Palmerton ....	1951
Cotterman, James W., Mechanicsburg ....	1949
Cox, Eric F., Washington, D. C. ....	1950
Cox, Mary L., Glen Ridge, N. J. ....	1951
Craig, Charles N., Hammonton, N. J. ....	1951
Cranwill, Shirley A., Montclair, N. J. ....	1952
Crawford, William A., Syracuse, N. Y. ....	1953
Creveling, Joanne R., Metuchen, N. J. ....	1952
Crouse, Radford L., Shippensburg ....	1952
Crum, Christine E., Carlisle ....	1952
Daley, Katherine A., Carlisle ....	1951
Daum, Ernest G., Carlisle ....	1952
Davenport, William B., II, Merion Station ....	1953
Davey, Anne L., Staten Island, N. Y. ....	1950
Davids, Gerald R. (Sp.), Carlisle ....	1953
Davidson, Robert L., Carlisle ....	1950
Davis, Howard E., Mauch Chunk ....	1951
Davis, Robert A., Carlisle ....	1952
Day, John A., Morristown, N. J. ....	1953
Decker, Elizabeth A., Wellsboro ....	1952
Dedrick, Warren F., Newton Highlands, Mass. ....	1952
DeLong, Jean E., Trenton, N. J. ....	1950
Denniston, Caroll, Carlisle ....	1952
Denslow, Marjorie, Pittsburgh ....	1953
Densmore, Ralph S., Jr., Baltimore, Md. ....	1952



Derbyshire, Ann W., Oreland .....	1952
Derr, Margaret G., Oak Park, Ill. ....	1953
Desvernine, Richard T., North Plainfield, N. J. ....	1951
Dewald, Jane A., Reading .....	1952
Dhuy, Ronald J., Bellerose, Manor, N. Y. ....	1953
Diaz, Herman A., Hicksville, N. Y. ....	1952
Dickie, Marjorie L., Belford, N. J. ....	1951
Diehl, Barbara J., Northumberland .....	1951
Dietrich, Kenneth E., II, Carlisle .....	1952
DiGiuseppe, Anthony, Plymouth .....	1952
Dillman, Alvin E., Glenshaw .....	1953
Dils, Arthur K., Harrisburg .....	1953
Dimeler, Glenn R., Harrisburg .....	1953
Disharoon, Lee W., Philadelphia .....	1952
Ditzler, Alice A., Pine Grove .....	1952
Donatelli, Joseph D., Spangler .....	1953
Dow, James W., Jr., Haddonfield, N. J. ....	1951
DuBois, Charles H., Clayton, N. J. ....	1951
DuBose, William J., Jr., Washington, D. C. ....	1949
Dudas, John J., Camden, N. J. ....	1951
Due, Douglas R., Baltimore, Md. ....	1950
Duiker, William J., Malvern .....	1950
Dunlap, John A., Pittsburgh .....	1951
Dunlap, Richard N., Philipsburg .....	1952
Dykstra, Dorothy L., Wilmington, Del. ....	1950
Eberly, A. Daniel, Jr., Lancaster .....	1952
Eberly, Mary M., Lancaster .....	1952
Eckell, Murray S., Chester .....	1952
Eckenroth, Ann B., Birdsboro .....	1951
Eisenstat, Jere M., Bridgeton, N. J. ....	1953
Eisenstein, Mark C., Jackson Heights, N. Y. ....	1951
Eisley, George G., Jr., Myerstown .....	1952
Elder, John S., Yardley .....	1950
Elderdice, Elizabeth N., Westminster, Md. ....	1953
Embery, Joseph R., Jr., Philadelphia .....	1949
Engel, Phyllis J., Towson, Md. ....	1952
Epley, Susan D., Washington, D. C. ....	1951
Epstein, Gerald N., Brooklyn, N. Y. ....	1953
Erdahl, Donna L., Washington, D. C. ....	1952
Eshelman, Patricia A., Paradise .....	1953
Eshelman, Thomas J., Reading .....	1952
Estep, Patricia A., Chevy Chase, Md. ....	1952
Etzweiler, Earl R., Millersburg .....	1951
Evans, Thomas L., Erie .....	1952
Farnath, Leslie D., Jr., Collingswood, N. J. ....	1952
Farquharson, Catherine, Carlisle .....	1952
Fenstermacher, Willard B., Souderton .....	1953
Fenton, Lyman T., Carlisle .....	1952
Ferree, David C., Jr., Mt. Holly Springs .....	1952
Ferrone, Charles A., West Orange, N. J. ....	1953
Fetterman, Phyllis L., Hershey .....	1952
Feuchtenberger, William P. (Sp.), Carlisle .....	1949
Field, Thornton S., Jr., Cranbury, N. J. ....	1952



Fink, Lawrence C., Harrisburg .....	1952
Fiscella, J. Robert, Wildwood, N. J. ....	1953
Fischer, Carole L., White Plains, N. Y. ....	1953
Fish, Walter M., Jr., Ardmore .....	1950
Fisher, Aron B., Philadelphia .....	1953
Fisher, Glorette A., Kutztown .....	1952
Fitzcharles, Carolyn R., Morrisville .....	1952
Flynn, Jane B., Sudbury, Mass. ....	1953
Fonde, Edgar C., Houtzdale .....	1950
Forbes, D. Lynn, Vineland, N. J. ....	1951
Ford, Joseph S., Jr., Baltimore, Md. ....	1952
Forney, Joyce E., Carlisle .....	1953
Foster, Bruce C., Merchantville, N. J. ....	1950
Fowler, Fred W., Ligonier .....	1952
Fowner, Robert D., Philadelphia .....	1951
Franzius, Frederick, New York, N. Y. ....	1952
Fredericks, James W., Asbury Park, N. J. ....	1952
Freedman, Robert S., York .....	1950
Freeman, Arthur W., Duncansville .....	1950
Freeman, Mark H., Birdsboro .....	1953
Freund, Phoebe M., New York, N. Y. ....	1951
Friedman, Joan T., Newton, N. J. ....	1952
Friedrich, Pauline R., Long Branch, N. J. ....	1953
Frye, William H., Carlisle .....	1951
Fuller, John, Conneautville .....	1950
Gadd, Mary S., Cocksessville, Md. ....	1953
Gale, Barbara A., Camp Hill .....	1951
Gallagher, Grayce L., Middletown .....	1952
Gallagher, Joan D., Short Hills, N. J. ....	1953
Garber, Anna B. (Sp.), Carlisle .....	1952
Garrison, Elaine E., Wildwood, N. J. ....	1952
Garwood, Charles M., Glenmoore .....	1952
Gayner, Lewis F., Jr., Salem, N. J. ....	1953
Gemmill, Sandra F. (Sp.), Camp Hill .....	1951
Gerhart, Donald S., Washington, D. C. ....	1950
Getz, Elias, Stroudsburg .....	1952
Gibbons, Miles J., Camp Hill .....	1953
Gibson, Mary L., Brooklyn, N. Y. ....	1950
Gilbaugh, Robert C., Coatesville .....	1952
Gilbert, Edward R., Sharon .....	1953
Giles, Fred D., Tyrone .....	1952
Gill, George M., Jr., Drexel Hill .....	1950
Gillaugh, John M., Carlisle .....	1951
Gillespie, Robert A., Havertown .....	1951
Gilmore, Harriett E., Williamsport .....	1950
Girdsdansky, Peter M., New Rochelle, N. Y. ....	1952
Gladfelter, Harry R., Jr., Glen Rock .....	1953
Glazer, Donald, Yeadon .....	1952
Glick, Ira D., Lyndhurst, N. J. ....	1953
Gobrecht, Lewis D., Hanover .....	1951
Goebner, Richard B., Cranford, N. J. ....	1949
Gold, Henry J., Philadelphia .....	1953
Goldberg, Edward M., Forest Hills, L. I., N. Y. ....	1950
Goldberg, Ronald, Philadelphia .....	1950



Goldblatt, LeRoy R., Port Norris, N. J. ....	1951
Golden, James J., Lykens ....	1952
Goldspinner, Edward L., Brooklyn, N. Y. ....	1952
Goodlin, Gary C., Pittsburgh ....	1952
Gordon, Irwin L., Jr., Upper Darby ....	1950
Gordon, Morton J., Hazleton ....	1952
Gorham, Helen W., Teaneck, N. J. ....	1951
Gormley, Robert C., Summit Hill ....	1950
Gorsuch, James E., Altoona ....	1950
Gould, John H., West Hazleton ....	1953
Gourley, Bruce M., Jamestown, N. Y. ....	1952
Graham, Neil H., Newtown Square ....	1951
Graham, Richard L., McKeesport ....	1953
Graham, William C., Williamstown ....	1952
Greeley, Peter N., Kennett Square ....	1952
Greene, Richard M., Forest Hills, N. Y. ....	1950
Grim, James H., Middletown ....	1953
Grimm, Forrest C., Carlisle ....	1951
Gross, James A., Gloucester, N. J. ....	1952
Gross, James H., Perkasie ....	1953
Grossman, Arthur, New York, N. Y. ....	1953
Grove, Robert M., Johnstown ....	1952
Guffick, William R., Jr., Trenton, N. J. ....	1952
Gumby, William L., Mt. Holly Springs ....	1953
Habicht, Grace M., Narberth ....	1952
Hain, Gwendolyn S. (Sp.), Carlisle ....	1953
Halberstadt, Rae E., Gladwyne ....	1950
Hall, Lawrence K., Jr., Greenville, Maine ....	1951
Hamer, Alice A., Harrisburg ....	1950
Hamilton, Frederick W., Beaver Falls ....	1953
Hammett, Hallett B. (Sp.), York ....	1953
Hampton, Jean A., Tenafly, N. J. ....	1952
Hanby, Forwood E., Hartsville ....	1951
Hand, Nancy L., Washington, D. C. ....	1952
Handshew, John W., Shippensburg ....	1952
Haney, Gordon L., Jersey Shore ....	1950
Hanley, Harry P., Drexel Hill ....	1951
Hardick, Joanne B., Carlisle ....	1952
Hardy, Margaret, Providence, R. I. ....	1951
Hare, James R., Mechanicsburg ....	1953
Harkness, James H., Drexel Hill ....	1950
Harrell, Edgar C., Baltimore, Md. ....	1952
Harris, Joseph M., Swarthmore ....	1952
Harron, Sue C., Harveys Lake ....	1952
Harrop, Warren R., Ardmore ....	1951
Harshaw, George E., Jr., Philadelphia ....	1951
Hartley, Robert A., Harrisburg ....	1952
Hartman, Carl O., Trenton, N. J. ....	1953
Hartman, Jay, Harrisburg ....	1953
Hartman, Joyce Wilson, Carlisle ....	1952
Harvey, Judith L., Pittsburgh ....	1950
Harvey, Phyllis J., Newville ....	1949
Hasenritter, Carla J., Havertown ....	1952
Hatfield, Richard L., Pottstown ....	1951



Hatter, Wilma V., Ruxton, Md. ....	1951
Hauff, Edmund G., Allentown ....	1953
Hauer, Louise R., Reading ....	1950
Haughney, Hughey W., Plymouth ....	1952
Hawley, John R., Harrisburg ....	1951
Hays, Raphael S., II, Carlisle ....	1952
Heinold, Katherine E., Baltimore, Md. ....	1952
Hellman, Barry H., Great Neck, L. I., N. Y. ....	1952
Helsel, Jacqueline A., Altoona ....	1951
Herr, Harold E., Mt. Holly Springs ....	1953
Herr, Helen P., Lansdowne ....	1952
Herr, O. Jane, Lancaster ....	1951
Herrlich, Ruth, New York, N. Y. ....	1952
Hester, Thomas L., Punxsutawney ....	1952
Hetherington, Thomas A., Towson, Md. ....	1953
Hetrick, Dan, Glenolden ....	1951
Hettenbach, Philip H., North Wildwood, N. J. ....	1953
Hiatt, Cecelia B. (Sp.), Carlisle ....	1953
High, Kenneth W., Washington, D. C. ....	1951
Hildebrand, Juanita M., York ....	1952
Hill, Ansley S. (Sp.), Carlisle ....	1953
Hilliard, Ray L. (Sp.), Edmond, Okla. ....	1953
Hirshorn, Murray E., Camden, N. J. ....	1953
Hissner, William J., Lebanon ....	1950
Hitchner, Kenneth W., Jr., West Pittston ....	1950
Hobaugh, George R., Indiana ....	1952
Hoffman, Edward L., Atlantic City, N. J. ....	1953
Hoffman, Harold, Altoona ....	1950
Hoffman, Thomas L., Plainfield, N. J. ....	1951
Holland, Shirley A., Mamaroneck, N. Y. ....	1950
Hollander, Irwin C., New York, N. Y. ....	1951
Hollenbaugh, Earl O., Carlisle ....	1951
Hollingshead, Marjorie A., York ....	1952
Hollister, Anne, Glen Ridge, N. J. ....	1950
Holt, Frances J., Tenafly, N. J. ....	1950
Holz, Richard L., Pittsburgh ....	1953
Honamon, Walter H., York ....	1952
Hoover, Robert N., Havertown ....	1950
Hoppe, Thad A., Basking Ridge, N. J. ....	1952
Horn, Eugene F., Mechanicsburg ....	1952
Hoskins, Douglas G., Mechanicsburg ....	1953
Houck, Adelaide A., Newville ....	1950
Hough, Denton E., Perryopolis ....	1952
Hough, Thomas H. M., Midland ....	1951
Howard, Louise E., Baltimore, Md. ....	1951
Howard, Mark, Washington, D. C. ....	1951
Howell, Joan I., Washington, Conn. ....	1952
Howland, Elise, Port Kennedy ....	1952
Hoyle, Bette L., Scarsdale, N. Y. ....	1952
Huber, Leroy H., Norristown ....	1951
Huddy, James A., Jr., Philadelphia ....	1952
Hudson, Joseph C., Jr., Chambersburg ....	1951
Hudson, William L., Chambersburg ....	1953
Hudson, William S., Dover, Delaware ....	1952
Huff, Patricia J., Farmingdale, N. J. ....	1952



Huffard, Sam A., Upper Darby .....	1952
Hughes, Jay M., Havertown .....	1950
Hukill, David D., Pittsburgh .....	1951
Humer, Philip W., Carlisle .....	1950
Hunt, Stanley V. C., Unadilla, N. Y. ....	1951
Hunter, James R., Tuckerton, N. J. ....	1951
Hurd, M. Lois, Philadelphia .....	1951
Hurley, Robert W., Elderon, N. J. ....	1953
Husted, Sarah L., Spring Lake Heights, N. J. ....	1951
Hutchins, Billie D., Huntingdon Valley .....	1951
Hutton, Susan J., Eters .....	1951
Irvin, Frank C., Coropolis .....	1951
Isaacs, Arthur S., New York, N. Y. ....	1952
Ives, Nancy E., Chester .....	1951
Iwachiw, Anna R., Chester .....	1952
Izatt, Jean W., Trenton, N. J. ....	1951
Jackson, Lee B., Harrisburg .....	1951
Jacobs, Richard M., Pittsburgh .....	1951
Jacoby, Glenn E., Jr., Forty-Fort .....	1952
Jacques, Joan A., Brooklyn, N. Y. ....	1950
Jaffe, Herbert J., Philadelphia .....	1951
James, Barbara P., Philadelphia .....	1953
Jeffries, Robert F. (Sp.), Wormleysburg .....	1952
Jennings, Diana L., Mt. Holly Springs .....	1952
Johe, Richard E., Pittsburgh .....	1950
Johnson, David M., Bethesda, Md. ....	1952
Johnson, Dudley E., Jr., Elwood, N. J. ....	1952
Johnson, Edith M., Auburndale, Mass. ....	1953
Johnson, Mae E., Wynnewood .....	1953
Johnson, R. Carol, Highland Park, N. J. ....	1953
Johnston, Jerry M., Harrisburg .....	1951
Jones, Charles A., Arlington, Virginia .....	1953
Jones, Elvin W. (Sp.), Camp Hill .....	1953
Jones, John F., Jr., Monkton, Md. ....	1952
Jones, J. Richard, Johnstown .....	1951
Jones, Robert L., Wilkes-Barre .....	1950
Jones, Robert W., Plymouth .....	1949
Jones, Ronald B. L., Harrisburg .....	1951
Jordan, Mary A., Washington, D. C. ....	1951
Junginger, G. William, Philadelphia .....	1953
Kasser, Victor I., Philadelphia .....	1952
Karp, Elaine R., New Cumberland .....	1953
Katchik, Joseph, Plymouth .....	1953
Katz, Grace Eva, Wilmington, Del. ....	1951
Keat, James E., Jr., New Cumberland .....	1950
Keat, Mary E., New Cumberland .....	1952
Keen, William P., Harrisburg .....	1953
Keith, Helen J., Duncansville .....	1950
Keller, Mary T., Wyomissing .....	1951
Kelley, Nancy M., Philadelphia .....	1953
Kelso, Robert J., Souderton .....	1953
Kendall, Elson P., Linden, N. J. ....	1953
Kendall, Francis M., Linden, N. J. ....	1953



Key, Robert J., New Kensington .....	1951
King, Joseph M., Jr., Hollidaysburg .....	1951
Kingston, Sally, Watertown, Mass. ....	1951
Kirkpatrick, Mary G., Cleveland, Ohio .....	1950
Kishi, William Y., Seabrook, N. J. ....	1950
Kissell, Harold J., Williamsport .....	1952
Kissinger, Jack B., Millersburg .....	1953
Kizlin, Melville (Sp.), Carlisle .....	1953
Klages, Constance W., Elmhurst, N. Y. ....	1952
Klarich, Leonard J., Brooklyn, N. Y. ....	1952
Klaunberg, Nancy M., Baltimore, Md. ....	1952
Klevan, Thomas R., Altoona .....	1952
Kline, Daniel A., Jenkintown .....	1951
Kline, Howard J., White Plains, N. Y. ....	1950
Kline, Sidney D., Jr., West Lawn .....	1950
Klinger, Arlen T., Ashland .....	1952
Klompus, William H., Bound Brook, N. J. ....	1951
Klotz, Richard R., Sheridan .....	1953
Knepley, David W., Cynwyd .....	1953
Knight, Nancy R., Harrisburg .....	1951
Knisely, William N., Harrisburg .....	1953
Knoblauch, K. Richard, Trenton, N. J. ....	1952
Kohlmeier, John M., III, Flushing, N. Y. ....	1952
Koontz, Robert C., Jr., Littlestown .....	1953
Kovnat, Paul J., Philadelphia .....	1953
Kramer, Alan S., New York, N. Y. ....	1952
Kress, Aaron M., New Kensington .....	1951
Kress, Gerald, Havertown .....	1952
Kressler, Joyce L., Titusville, N. J. ....	1951
Krewson, C. David, Newtown .....	1952
Kreyling, Ted J., Wynnewood .....	1951
Krischker, Robert H., Jr., Philadelphia .....	1951
Kroll, Earl V. (Sp.), Frostburg, Md. ....	1952
Krueger, Harold L., Bloomfield, N. J. ....	1950
Kubic, Frederick C., Jr., Shamokin .....	1949
Kunda, Joseph T., New Britain, Conn. ....	1951
Lamb, Barbara, Philadelphia .....	1952
Lamb, Ralph R., Philadelphia .....	1950
Lamont, Roberta M., Jenkintown .....	1950
LaNeve, James A., Beaver Falls .....	1953
Lanius, Edward W., York .....	1953
Larkin, Robert F., Camp Hill .....	1952
Lashley, John R., III, Waynesboro .....	1949
Lay, Pauline R. (Sp.), Carlisle .....	1951
Layng, Janet K., Springfield, N. J. ....	1952
Leavitt, Jeanette A., Merion Station .....	1950
Ledgard, Harry A., McKeesport .....	1953
Leggett, Donald A., Catasauqua .....	1953
Lehmer, George F., Dillsburg .....	1950
Leidy, Gwen E., New York, N. Y. ....	1953
Leister, Fay L., Cynwyd .....	1951
Lens, Judith A., New Brunswick, N. J. ....	1952
Leonard, Chauncey M., III, Newburgh, N. Y. ....	1950
Lesovsky, Eugene A., South River, N. J. ....	1950



Levin, Joel M., Philadelphia .....	1953
Levin, Sigmund, Quakertown .....	1952
Levine, Benjamin I., Jr., Altoona .....	1953
Lewis, A. Ridgely, Towson, Md. ....	1953
Lewis, Jane, York .....	1953
Lewis, Kenneth B., Trenton, N. J. ....	1951
Leymeister, Ronald L., Reading .....	1951
Liener, Emma D., Cheltenham .....	1952
Lightner, Elmer S., Carlisle .....	1950
Linde, Phyllis J., Towson, Md. ....	1953
Lintern, J. Edwin, West Pittston .....	1950
Lippincott, Shirley A., Columbus, N. J. ....	1953
Llewellyn, Don W., Summit Hill .....	1953
Long, Arthur E., Harrisburg .....	1952
Longcope, Jeanne A., Cheltenham .....	1953
Lord, Richard L., Woodbury, N. J. ....	1952
Lorimer, William G., Montclair, N. J. ....	1950
Lucas, Ferdinand C., IV., Lock Haven .....	1952
Lusby, Betty A., Kennedyville, Md. ....	1952
Lynam, William T., III, Broomall .....	1952
Lynch, Andrew C., Camp Hill .....	1951
Lynch, David F., Wayne .....	1953
MacGregor, Kenneth W., Mantua, N. J. ....	1952
MacKerell, Nancy E., Merchantville, N. J. ....	1950
McAnally, Jean M., Harrisburg .....	1950
McCafferty, T. Warren, Jr., Wilmington, Del. ....	1951
McCauley, Clarence R., West Newton .....	1952
McCloskey, Martha S., Philadelphia .....	1952
McGillivray, Bruce A., Brackenridge .....	1951
McGohan, James C., Jr., Baltimore, Md. ....	1951
McGovern, William D., West Orange, N. J. ....	1950
McGowan, Ronald L., Carlisle .....	1950
McGrane, Patricia M., Jamaica, N. Y. ....	1952
McInnes, Donald, Wilmington, Del. ....	1951
McIntyre, Robert D., Philadelphia .....	1950
McKelvey, Harold E., Lansdowne .....	1953
McLaughlin, Margaret S., Springfield .....	1950
McMullin, Carolyn D., Drexel Hill .....	1950
McNeal, Marilyn B., Philadelphia .....	1952
Mahood, Gordon L., Butler .....	1953
Malinak, Arthur C., Steelton .....	1953
Malmstrom, Barbara A., Carlisle .....	1952
Majeski, Barbara, Trenton, N. J. ....	1951
Mandel, Joan T., Turtle Creek .....	1953
Maquilkens, William A., Johnstown .....	1953
Markley, Kenneth A., Harrisburg .....	1951
Marquardt, Susan J., Briardiff Manor, N. Y. ....	1951
Martin, George J., Chambersburg .....	1951
Martinelli, George E., Landisville .....	1953
Masens, Lillian B. Y., Yonkers, N. Y. ....	1951
Masland, Edward K., Carlisle .....	1951
Masland, Martha (Sp.), Carlisle .....	1951
Matta, John A., Brownsville .....	1952
Matthews, William, Jr., Philadelphia .....	1953



Mattras, John J., Lansford .....	1951
Matz, Patricia A., Annville .....	1952
Mauro, George A., Jr., North Plainfield, N. J. ....	1951
Mawby, Donald A., North Plainfield, N. J. ....	1952
Maxwell, Patricia A., Carlisle .....	1953
May, Mark, Philadelphia .....	1953
Maybe, Jean L., Manheim .....	1953
Mead, Judy S., Nutley, N. J. ....	1952
Mendelsohn, Bernard, Reading .....	1951
Menin, Carolyn, Philadelphia .....	1952
Mercer, Helen E., Margate, N. J. ....	1951
Mercker, Donald F., Washington, D. C. ....	1952
Meyer, Kaye M., Altoona .....	1950
Miller, John W., Philadelphia .....	1953
Miller, Martha D., Oxford .....	1951
Miller, Ralph W., Mechanicsburg .....	1952
Miller, Royal, Philadelphia .....	1950
Miller, William L., Philipsburg .....	1950
Mills, Robert G., Gladstone, N. J. ....	1950
Milosh, Eugene J., Bronxville, N. Y. ....	1951
Miniclier, Christopher C., McLean, Va. ....	1953
Minkevitch, Joseph M., Norwood, Mass. ....	1952
Minnick, Barbara, Nesquehoning .....	1951
Minnick, Daniel R., Nesquehoning .....	1950
Minzes, Theora M., Havertown .....	1952
Mitchell, Barbara A., Altoona .....	1951
Mitchell, Harley G., Millsboro, Del. ....	1952
Mitzel, Robert E., West Lawn .....	1952
Mohler, Henrietta R., Ephrata .....	1947
Moran, Mary L., Muncy Valley .....	1952
Morford, James C., Middletown, N. J. ....	1953
Morgan, Grace M., New York, N. Y. ....	1951
Morgan, Leslie E., Dickson City .....	1951
Morgan, Robert H., Harrisburg .....	1951
Mosko, Edward, Nesquehoning .....	1952
Mountz, Elizabeth A., Carlisle .....	1951
Mowrer, Gordon B., Bethlehem .....	1953
Moyer, Donald D., Silverdale .....	1952
Muir, Thomas A., Jr., Scarsdale, N. Y. ....	1952
Mumma, William F., Mechanicsburg .....	1953
Munzel, John J., Huntington, N. Y. ....	1953
Murphy, Clifton M., Punxsutawney .....	1952
Murray, Richard S., Birdsboro .....	1950
Mutzabaugh, Richard W., Bradford .....	1951
Myers, David M., Frackville .....	1953
Myers, Jane E., Lemoyne .....	1951
Myers, Mary A., Drexel Hill .....	1950
Myers, Mary F., Belmar, N. J. ....	1951
Myers, Robert E., Jr., Sea Girt, N. J. ....	1953
Namnoun, Thomas M., New Britain, Conn. ....	1952
Natale, John J., Jr., Wallingford .....	1951
Nast, William H., Jr., Bloomsburg .....	1953
Naylor, Charles W., Lemoyne .....	1950
Neide, Anne, Jenkintown .....	1953



Neill, Barbara M., Haddonfield, N. J. ....	1953
Neilson, Joanne C., Newport .....	1951
Nellas, James L., Beaver Falls .....	1952
Nelson, Irwin J., Brooklyn, N. Y. ....	1951
Nevara, John B., Philipsburg .....	1952
Newcomer, John L., Ocean City, N. J. ....	1952
Newton, Elsie J., Philadelphia .....	1953
Nock, Avis A., Salisbury, Md. ....	1952
Noggle, G. Alfred, Jr., Carlisle .....	1952
Norman, Herbert B., Miami Beach, Fla. ....	1951
Novinger, J. Frederick, Millersburg .....	1952
Oberholtzer, Linda A., Reading .....	1951
Odorizzi, Carol R., Rosemont .....	1952
Oglesby, Frank C., Bloomfield, N. J. ....	1950
O'Gorman, Francis J., Jr., Steelton .....	1950
Olin, Charles, Carlisle .....	1953
Orbock, David H., Steelton .....	1951
Orton, Mark E., Jr., North East .....	1952
Orwig, George F., Williamsport .....	1951
Oswald, James B., Ambridge .....	1952
Owen, Joanne E., Woodstown, N. J. ....	1951
Owen, Miles L., Duncannon .....	1952
Owen, Ralph E., Jamaica, N. Y. ....	1952
Pachino, Joel H., Baltimore, Md. ....	1952
Packer, Harry F., Harrisburg .....	1949
Padjen, Andrew, Steelton .....	1950
Padjen, George, Steelton .....	1952
Page, Robert W., Pennsauken, N. J. ....	1953
Palazzo, Delores A., Trenton, N. J. ....	1952
Palmer, Allan B., Ridley Park .....	1950
Palzer, Warren P., Douglaston, N. Y. ....	1953
Papoutsis, Thomas N., Shippensburg .....	1951
Parlin, Daniel P., Margate City, N. J. ....	1951
Paviol, James A., Carlisle .....	1945
Pelton, Wallace L., Mill City .....	1952
Peltz, Mary A., Philadelphia .....	1952
Peltz, Jocelyn, Philadelphia .....	1952
Perkner, John E., Wilmington, Del. ....	1951
Perles, Robert G., Mount Carmel .....	1952
Perry, Ada S. (Sp.), Mechanicsburg .....	1952
Peshkoff, John T., Brooklyn, N. Y. ....	1953
Petersen, James L., Fairfield, Conn. ....	1953
Peterson, Jean C., Bound Brook, N. J. ....	1952
Petrecca, Armand R. (Sp.), Newark, N. J. ....	1953
Petrovich, Francis P., Shamokin .....	1952
Phelabaum, Nona M. (Sp.), Carlisle .....	1953
Phillips, Gail, Baltimore, Md. ....	1951
Phillips, Joanthan G., Williamsport .....	1953
Phillips, Theodore L., Springfield .....	1951
Piccone, Arthur L., Forty-Fort .....	1951
Pinkerton, Judith A., Pottstown .....	1953
Pinney, Claire A., South Orange, N. J. ....	1951
Plant, Harriet G., South Orange, N. J. ....	1950



Pocius, Eleanor A., Scranton .....	1951
Polley, Elizabeth A., Crawfordsville, Ind. ....	1953
Poore, Franklin E., III, Lincoln Park .....	1951
Popkin, Jerome L., Trenton, N. J. ....	1952
Potter, Philip J., Carlisle .....	1952
Powell, Philip, Taylor .....	1951
Powers, Sherwood L., Sinking Spring .....	1953
Pugliese, Sebastian C., Pittsburgh .....	1953
Quinn, Eugene F., Oil City .....	1953
Rackovan, Richard M., Marsfellar .....	1953
Radonich, Virginia M., Somerville, N. J. ....	1951
Radtke, Laurence V., Jr., New Providence, N. J. ....	1950
Rappaport, Edward M., Brooklyn, N. Y. ....	1951
Reece, Rita M., Carlisle .....	1952
Reed, Robert C., Industry .....	1951
Regan, Ann L., Hollis, N. Y. ....	1951
Reichle, Elizabeth P., Philadelphia .....	1953
Reichle, Frank C., Jr., Philadelphia .....	1950
Reichneder, Kay A., Tamaqua .....	1952
Reinhold, Ingrid M., Union, N. J. ....	1952
Ressler, Peter J., Shamokin .....	1950
Revere, William P., West Orange, N. J. ....	1953
Reynolds, Earl M., Dunbar .....	1951
Reynolds, John, Quarryville .....	1951
Rhein, John H., Reading .....	1951
Rhodes, Charles W., Pottstown .....	1951
Rhood, Samuel G., Chester .....	1950
Rice, Orsanne F., Liberty, N. Y. ....	1951
Richards, Elton P., Jr., Media .....	1950
Richards, Katherine A., Plymouth Meeting .....	1951
Riddlesberger, Samuel, Carlisle .....	1952
Ridgely, Herbert M., Jr., Hagerstown, Md. ....	1950
Rietz, Charles A., Jr., Westfield, N. J. ....	1953
Ritt, Ann Brenner (Sp.), Drexel Hill .....	1952
Rittenhouse, Donald L., Brockway .....	1950
Ritter, Suzanne, Harrisburg .....	1950
Robbins, Terry J., Altoona .....	1953
Roberts, Joyce B., Rahway, N. J. ....	1953
Robins, Shayle, New York, N. Y. ....	1952
Rodkey, Sarah L., Penbrook .....	1951
Rodos, Joseph J., Philadelphia .....	1952
Rogers, Clifford A., Jr., Havertown .....	1950
Rogers, Gordon B., Jr., Carlisle .....	1952
Rohrbaugh, Mary L., Elmira, N. Y. ....	1952
Rolland, Grey F., McKeansburg .....	1952
Rombach, Frances D., Haddonfield, N. J. ....	1950
Rommel, Frederick A., Camp Hill .....	1953
Roscher, Theodore A., Sinking Spring .....	1952
Roseman, Stephen, Ventnor City, N. J. ....	1951
Rosenberg, Malcolm P., Philadelphia .....	1953
Rosmarin, Gerald M., Brooklyn, N. Y. ....	1951
Roth, Frederick E., Harrisburg .....	1953
Roth, James S., Middletown .....	1952



Roth, Stuart C., Ossining, N. Y. ....	1951
Roth, William G., II, Hummelstown ....	1950
Rothermel, Joanne, Norristown ....	1953
Rothman, Edward W., Millersburg ....	1949
Roulette, Joanne M., Hagerstown, Md. ....	1951
Royer, Elizabeth G., Thurmont, Md. ....	1952
Rubin, Ronald G., Jamaica, N. Y. ....	1953
Ruggles, Suzanne S., Towanda ....	1951
Runkle, John W., Middleburg ....	1952
Ruth, Barbara N., Lincoln Park ....	1952
Ruth, Gerald E., York ....	1950
Rutherford, Henry J., Marietta ....	1951
Rutkowski, Stanley W., Kulpmont ....	1950
Ryan, Jean A., Little Silver, N. J. ....	1952
Ryder, Blair L., Matamoras ....	1950
Sachs, Mark P., New York, N. Y. ....	1952
Safer, Jan N., Philadelphia ....	1953
Sakimura, Ivan T., Grantham ....	1953
Samoilovich, Nina, Rahway, N. J. ....	1953
Sanford, John R. (Sp.), Ithaca, N. Y. ....	1953
Sanford, Mary L., Williamsport ....	1953
Saybolt, Peter M., Drexel Hill ....	1953
Schaeffer, Richard A., Palmyra, N. J. ....	1952
Schatz, Norman J., Philadelphia ....	1953
Schecter, Katherine M., Carlisle ....	1952
Schimmel, Sarah E., Coopersburg ....	1953
Schmid, John W., Brooklyn, N. Y. ....	1953
Schneider, Ann Nogi, Carlisle ....	1953
Schoch, Jean M., Kingston ....	1952
Schoener, William J., Trenton, N. J. ....	1950
Schreadley, Richard, Linglestown ....	1948
Schreiber, Nancy E., Lebanon ....	1952
Schuck, Susan N., Baltimore, Md. ....	1953
Schunke, Irma C., North Plainfield, N. J. ....	1952
Schwartz, Frank M., Derwood, Md. ....	1952
Schwartz, Hillel, Bridgeton, N. J. ....	1952
Schwartz, Laurence M., Philadelphia ....	1953
Scott, Charles E., Media ....	1953
Scott, Rowland U., Philadelphia ....	1950
Seeburger, Richard H., Abington ....	1953
Seewald, Frederick S., Jr., Linden ....	1953
Seiders, Frank S., Jr., Steelton ....	1951
Sell, William H., Erie ....	1951
Seller, Mortimer C., Bloomfield, N. J. ....	1951
Sellers, Horace W., Carlisle ....	1951
Seto, Joyce K. L., Blackwood, N. J. ....	1952
Shappell, R. Michael, West Lawn ....	1953
Shavelson, Edward C., Ventnor, N. J. ....	1953
Shaw, Carol, Brooklyn, N. Y. ....	1951
Shaw, Perry, Brooklyn, N. Y. ....	1953
Sheaffer, Doris J. (Sp.), Carlisle ....	1952
Shepard, Sandra B., Baltimore, Md. ....	1953
Shepherd, Eleanor G., West Lawn ....	1952
Sheppard, John R., Wilmington, Del. ....	1951



Sherman, Nancy C., Pittsburgh .....	1951
Shields, Donald J., Philadelphia .....	1952
Shiery, Howard C. (Sp.), Carlisle .....	1953
Shillingsburg, Barbara H., Greenwich, N. J. ....	1952
Shinholt, James R., Eckhart Mines, Md. ....	1952
Short, Kenneth R., Harrisburg .....	1953
Shughart, James W., Carlisle .....	1951
Shuman, Richard F., Allentown .....	1953
Shunk, Douglas I., Harrisburg .....	1951
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